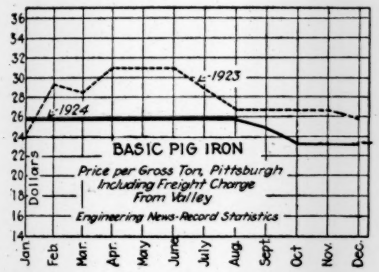
CONSTRUCTION NEWS

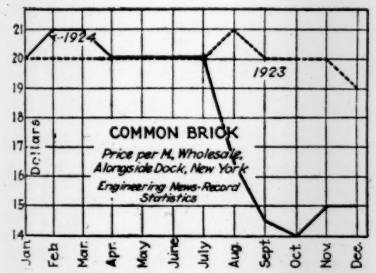
Engineering News-Record, December 4, 1924

The Construction Barometer

Cost Trend Upward—Gains in Contract Letting for Water-works, Sewers, Bridges, Excavations and Federal Government Work

PRICE movements in the general commodities' market have been mostly in an upward direction since the middle of the year. Building materials, however, have reacted more slowly. The trend in building cost was downward from May to November. During the past week the trend has taken a sharp upward turn. Steel shapes are about 5c. per 100 lb. higher than a week ago at Pittsburgh mills. Pine lumber is firmer in the South. Improvement in Douglas fir demand is reported in the Northwest. The average common labor rate for the U. S. is about ½c. per hr. higher than a month ago. Despite increased buying, prices of such materials as cement, brick and other clay products show no tendency to advance. Gradual gains in contract letting were noted during the past week in water-works, sewers, bridges, excavations and Federal Government work.





Engineering News-Record Statistics

Minimum on waterworks and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Nov. 13	$22,248,000	$13,091,000	$35,339,000
Nov. 20	10,212,000	25,429,000	35,641,000
Nov. 27	8,789,000	10,435,000	19,224,000
3 weeks	$41,249,000	$48,955,000	$90,204,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

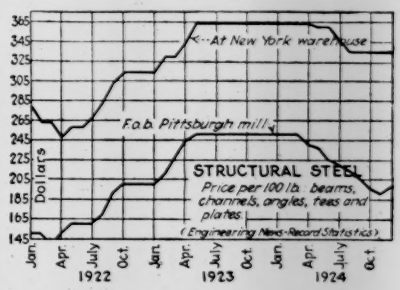
Week Ended	Commercial: Public No.	Commercial: Public Thousand	Commercial: Private No.	Commercial: Private Thousand	Industrial No.	Industrial Thousand
Nov. 13	5	$977	35	$9,911	26	$3,080
Nov. 20	11	2,443	38	12,613	29	3,686
Nov. 27	11	3,823	29	7,977	21	2,330
3 Weeks	27	$7,243	102	$30,501	76	$9,096

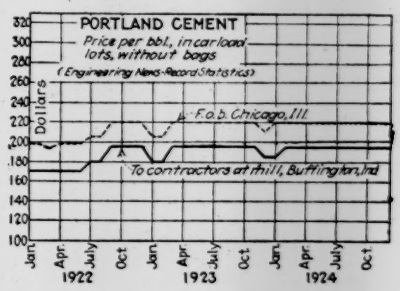
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

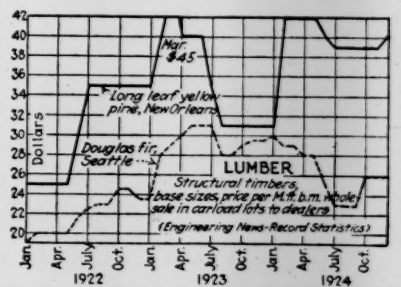
Week Ended	Private	Commercial Buildings	Streets and Roads	Waterworks and Sewers	All Public
Nov. 13	19	34	43	31	146
Nov. 20	18	35	42	20	144
Nov. 27	17	32	39	28	140

FIRMNESS CONTINUES IN STEEL—COMMON LABOR RATE UP

	Quoted on Dec. 4 at	Last Price Change Was	On
Structurals, Pittsburgh, 100 lb.	$1.85 @2.10	$1.80 @2.10	Nov. 27
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N. Y., M. ft.	55.00	56.00	Oct. 2
Fir, San Fran., M. ft.	29.00	31.00	Oct. 30
Common labor, hr.	.56½	.56	Nov. 27







PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Dec. 6	Long Island City, N. Y.	Dec. 4
Dec. 8	Highlands, N. Y.	Nov. 20
	Adv. Nov. 20 to Dec. 4.	
Dec. 8	Jacksonville, Fla.	Dec. 4
Dec. 10	Baltimore, Md.	Dec. 4
Dec. 16	Merced, Calif.	Dec. 4
Dec. 17	Oak Park, Ill.	Nov. 27
Dec. 17	Blanchester, O.	Dec. 4
	Adv. Dec. 4.	
Dec. 17	Creedmoor (Jamaica P. O.), N. Y.	Dec. 4
	Adv. Dec. 4.	
Dec. 24	Lyndon, Kan.	Nov. 27
Jan. 5	Springfield, Ill.	Nov. 27
	Adv. Nov. 27 and Dec. 4.	

SEWERS

Dec. 6	North Plainfield, N. J.	Nov. 27
Dec. 8	Deerfield, Ill.	Nov. 27
Dec. 8	Long Island City, N. Y.	Dec. 4
Dec. 9	New Orleans, La.	Oct. 16
	Adv. Nov. 16 to Dec. 4.	
Dec. 9	Glendale (Rockton P. O.), Pa.	Dec. 4
Dec. 9	St. Paul, Minn.	Dec. 4
Dec. 15	Pittsfield, Ill.	Nov. 13
Dec. 18	New Braunfels, Tex.	Nov. 27
Dec. 24	Oilton, Okla.	Dec. 4
Jan. 7	Canton, O.	Nov. 20

WASTE DISPOSAL

Dec. 9	Minneapolis, Minn.	Nov. 13

BRIDGES

Bids Close		See Eng. News-Record
Dec. 8	California	Nov. 20
Dec. 10	South Carolina	Dec. 4
	Adv. Nov. 27 and Dec. 4.	
Dec. 11	Salina, Kan.	Dec. 4
Dec. 12	Ames, Ia.	Dec. 4
Dec. 12	Ohio	Dec. 4
Dec. 15	Jamestown, N. Y.	Nov. 27
Dec. 15	New Orleans, La.	Oct. 30
	Adv. Oct. 30 to Dec. 4.	
Dec. 15	Louisiana	Nov. 13
Dec. 15	Kansas	Nov. 20
Dec. 16	Junction City, Kan.	Dec. 4
Dec. 17	Pennsylvania	Nov. 27
	Adv. Nov. 27 and Dec. 4.	
Dec. 17	Illinois	Dec. 4
Dec. 18	Eldorado, Kan.	Dec. 4
Dec. 18	Elbourne, B. C.	Dec. 4
Dec. 22	Ashtabula, O.	Dec. 4
	Adv. Nov. 27 and Dec. 4.	

Bids Close — See Eng. News-Record

EXCAVATION, DRAINAGE IRRIGATION, LEVEES

Dec. 9 Moore Haven, Fla. ..... Nov. 13
Dec. 17 Tampa, Fla. ..... Dec. 4

STREETS AND ROADS

Dec. 8 Fort Meade, Fla. ..... Dec. 4
Dec. 9 Indiana ..... Nov. 27
Dec. 9 Washington, Kan. ..... Nov. 13
Dec. 9 Palestine, Tex. ..... Nov. 20
Dec. 9 St. Louis, Mo. ..... Nov. 20
Dec. 9 Kelso, Wash. ..... Nov. 27
Dec. 9 Albion, Ind. ..... Dec. 4
Dec. 10 Garnet, Kan. ..... Nov. 20
Dec. 10 San Benito, Tex. ..... Nov. 20
Dec. 10 Long Island, N. Y. ..... Dec. 4
Dec. 10 New York, N. Y. ..... Dec. 4
Dec. 11 Louisiana ..... Nov. 20
Dec. 11 Ft. Scott, Kan. ..... Nov. 20
Dec. 11 New York, N. Y. ..... Dec. 4
Dec. 11 Windsor, N. C. ..... Dec. 4
Dec. 12 Vernon, Tex. ..... Nov. 20
Dec. 12 Atchison, Kan. ..... Dec. 4
Dec. 12 Little Rock, Ark. ..... Dec. 4
Dec. 12 Ohio ..... Dec. 4
Dec. 13 Lyndon, Kan. ..... Nov. 20
Dec. 15 Emporia, Kan. ..... Nov. 20
Dec. 15 California ..... Dec. 4
Dec. 15 Carthage, Tex. ..... Dec. 4
Dec. 16 Louisiana ..... Nov. 20
Dec. 16 Baton Rouge, La. ..... Dec. 4
Dec. 16 De Kalb, Miss. ..... Dec. 4
Dec. 16 New York ..... Dec. 4
Adv. Nov. 27 and Dec. 4.
Dec. 16 Paris, Tex. ..... Dec. 4
Dec. 16 Seymour, Tex. ..... Dec. 4
Dec. 16 Maquoketa, Ia. ..... Dec. 4
Adv. Dec. 4.
Dec. 17 Illinois ..... Nov. 6
Dec. 17 Alabama ..... Nov. 20
Dec. 17 Hiawatha, Kan. ..... Nov. 27
Dec. 17 Alabama ..... Nov. 27
Dec. 17 Illinois ..... Dec. 4
Dec. 18 Moundsville, W. Va. ..... Dec. 4
Dec. 19 Winfield, Kan. ..... Nov. 27
Dec. 23 St. Louis, Mo. ..... Nov. 27
Dec. 31 Paola, Kan. ..... Dec. 4
Jan. 2 Larned, Kan. ..... Dec. 4
Jan. 7 Alabama ..... Dec. 4

BUILDINGS—COMMERCIAL

Dec. 5 Dorchester (Boston P. O.), Mass. ..... Nov. 27
Dec. 5 Dearborn, Mich. ..... Nov. 27
Dec. 5 Jersey City, N. J. ..... Dec. 4
Dec. 8 Raleigh, N. C. ..... Dec. 4
Dec. 9 Wash., D. C. ..... Nov. 20
Dec. 10 Muskegon, Mich. ..... Nov. 27
Dec. 10 Alexandria, La. ..... Nov. 20
Dec. 10 San Francisco, Calif. ..... Nov. 27
Dec. 10 Muskegon, Mich. ..... Nov. 27
Dec. 10 Arlington (Boston P. O.), Mass. ..... Dec. 4
Dec. 11 Napiersville, Ill. ..... Nov. 27
Dec. 11 Roselle, N. J. ..... Nov. 20
Dec. 15 Waterbury, Conn. ..... Nov. 20
Dec. 15 Buffalo, N. Y. ..... Dec. 4
Dec. 15 Glendale, Calif. ..... Dec. 4
Dec. 16 Des Moines, Ia. ..... Dec. 4
Dec. 19 Columbia, Mo. ..... Dec. 4
Dec. 20 Springfield, Mo. ..... Dec. 4
Dec. 22 Johnstown, Pa. ..... Nov. 27
Dec. 22 Columbia, S. C. ..... Dec. 4
Jan. 1 Johnstown, Pa. ..... Nov. 20
Jan. 25 Birmingham, Ala. ..... Nov. 20

FEDERAL GOVERNMENT WORK

Dec. 5 Dredging — Providence, R. I. ..... Nov. 6
Dec. 5 Home, etc.—Laurel, Md. ..... Nov. 27
Dec. 8 Changes—Omaha, Neb. ..... Nov. 13
Dec. 8 Post Office—Douglas, Ga. ..... Dec. 4
Dec. 9 Buildings — San Fernando, Calif. ..... Oct. 30
Dec. 9 Breakwater—Milwaukee, Wis. ..... Nov. 6
Dec. 9 Dredging — Wilmington, Del. ..... Nov. 20
Dec. 10 Repairs—Norfolk, Va. ..... Dec. 4
Ad. Nov. 27 and Dec. 4.
Dec. 12 Dredging—Providence, R. I. ..... Nov. 13
Adv. Nov. 13 to Dec. 4.
Dec. 15 Dredging — New York, N. Y. ..... Nov. 20
Adv. Nov. 20 to Dec. 4.
Dec. 15 Pump, etc.—Norfolk, Va. ..... Nov. 20
Adv. Nov. 20 to Dec. 4.
Dec. 15 Storehouse—Phila., Pa. ..... Nov. 20
Dec. 15 Post Office—Orlanda, Fla. ..... Dec. 4
Dec. 16 Addition—Phila., Pa. ..... Nov. 20
Dec. 17 Dredging—Galveston, Tex. ..... Nov. 20
Adv. Nov. 20 to Dec. 4.
Dec. 17 Cement, Steel, etc.—Washington, D. C. ..... Dec. 4
Dec. 20 Foundation—American Falls, Idaho ..... Nov. 20
Dec. 22 Dam—Pittsburgh, Pa. ..... Nov. 27
Adv. Nov. 27 and Dec. 4.
Dec. 22 Post Office—Miami, Fla. ..... Dec. 4
Adv. Dec. 4.

Bids Close — See Eng. News-Record

Dec. 23 Store House—Pearl Harbor, H. T. ..... Oct. 30
Dec. 23 Roof, etc.—Madison, Wis. ..... Dec. 4
Adv. Dec. 4.
Dec. 23 Water Pipes, etc.—Concord, N. H. ..... Dec. 4
Adv. Dec. 4.
Dec. 27 Road—Arizona ..... Nov. 27
Dec. 30 Post Office—Andalusia, Ala ..... Dec. 4
Adv. Dec. 4.
Jan. 12 Lock—Colconda, Ill. ..... Dec. 4
Adv. Dec. 4.

UNCLASSIFIED

Dec. 10 Grain Elevator—Halifax, N. S. ..... Nov. 20
Dec. 11 Column Foundations—Corona (Sta. Flushing), N. Y. ..... Dec. 4
Dec. 12 Special Works—Flushing, N. Y. ..... Dec. 4
Dec. 17 Refrigeration—Central Islip, N. Y. ..... Dec. 4
Adv. Dec. 4.

MATERIAL AND EQUIPMENT

Dec. 9 Asphaltic Cement—New Orleans, La. ..... Nov. 20
Dec. 10 Cement—Tracy, Calif. ..... Nov. 27
Dec. 15 Stone Crusher—St. Paul, Minn. ..... Dec. 4
Dec. 16 Tractors, etc.—East Point, Ga. ..... Dec. 4
Dec. 16 Street Sprinkler annd Sweeper —New Orleans, La. ..... Dec. 4
Dec. 17 Laundry Equipment—Wingdale, N. Y. ..... Dec. 4
Adv. Dec. 4.
Dec. 20 Switchgear, etc.—Melbourne, Victoria, Australia ..... Nov. 20
Jan. 19 Transformers and Spares—Melbourne, Victoria, Australia ..... Nov. 20
Adv. Nov. 20 to Dec. 4.
Jan. 19 Voltage Regulating Apparatus —Melbourne, Victoria, Australia ..... Dec. 4
Adv. Dec. 4.
Jan. 20 Road Roller, etc.—Toronto, Ont. ..... Nov. 27

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Mass., Wareham—Town Impvt. Assn., W. McConnell, pres., plans extending water service from here to Pinehurst Beach. $15,000 or more. Engineer not selected.

Mass., Worcester—City and Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, plan 3rd additional pumping unit, etc., at Wachusett Reservoir of Metropolitan Water System to furnish water supply to depleted reservoirs. $50,000. J. R. Rablin, 1 Ashburton Pl., Boston, engr.

N. C., Raleigh—Plans purchasing electric emergency pump $20,000, and replacing stave pipe with 24- to 30-in. c.i. pipe, also laying 12 in. c.i. main in Halifax St. $200,000. W. Olsen, Raleigh, engr.

Fla., Bradentown — Election Dec. 19, $350,000 bonds constructing and extending waterworks. E. V. Camp, Bradentown, engr.

La., Bossier City—Plans to expend $125,000 for waterworks and sewerage systems.

Tenn., Lookout Mountain—Election probably in spring $50,000-$60,000 bonds for watermain extensions, fire hydrants, etc.

Ky., Glasgow—Glasgow Water Co. plans new pumping station, 2.5 mi. 6 and 8 in. c.i. mains, 50 to 60 hp. crude oil engine, triplex pump to deliver 600 g.p.m. water against static head of 230 ft. $40,000. T. N. Bradford, mgr.

O., Bexley (Columbus P. O.)—Jennings-Lawrence Co., engrs., 511 Hartman Bldg., Columbus, preparing plans 1 story, about 15 x 16 ft. pumping station, also sanitary sewers in Sewers Dist. 6, 3,300 ft. 6 and 8 in. vitr. and 15,000 ft. 4 in. c.i. pipe, here, for City. $19,000.

O., Martins Ferry—See "Buildings—Industrial."

Mich., Jackson — Voted $172,000 bonds laying mains in various streets.

Wis., Madison — Common Council, L. A. Smith, supt., purchased site for rein.-con. and steel reservoir for additional water supply. $160,000 appropriated. Engineer not selected.

Mo., Sedalia—Making plans new reservoir, feeder mains, etc. $500,000. Burns & McDonnell Eng. Co., 412 Interstate ... Kansas City, engrs. Noted Sept. 1

Ark., Magnolia—Soon takes bids ... works and distribution system, also ... and disposal plant, etc., in Sewer ... $187,000. E. T. Archer & Co., ... England Bldg., Kansas City, Mo. ... Noted Mar. 13.

Okla., Hollis—Voted $100,000 bonds ... new waterworks, incl. mains, pumps, reservoir, transmission line, etc. Gan... Co., 1116 West Main St., Oklahoma City, engrs. Noted Nov. 13.

Wash., Falls City—E. B. Cowles ... issued permit to appropriate waters of unnamed spring, tributary to Snoqualmie River, providing domestic supply, for Falls City Water Co. $20,000.

Calif., Cutler—Voted $27,000 bonds to finance new water system.

Calif., Hemet—Hemet Town Water Co. making surveys and estimates for new system to be submitted to voters to determine if project is feasible. Burns & McDonell Eng. Co., Marsh-Strong Bldg., Los Angeles, engrs. Noted Sept. 4.

Calif., Huntington Park—Plans election $31,000 bonds to purchase present water system, and $25,000 bonds 200,000 gal. elevated, steel tank and tower, 100,000 gal. rein.-con. reservoir, centrifugal pump, electric motor, fire hydrants, etc.

Ont., Oshawa—Plans 12,000 ft. 6 and 12 in. c.i. mains, hydrants, valves, etc., on Bloor St. and Retson Rd. $25,000. W. C. Smith, City Hall, engr.

Calif., Port Angeles—Burns & McDonnell Eng. Co., engrs., 412 Marsh-Strong Bldg., Los Angeles, takes bids about Dec. 16, concrete dam, 6 m.g. concrete reservoir and distributing system, 37,000 lin.ft. 20 and 24 in. wood stave pipe line, here, for City.

Calif., Salinas—Coast Valley Gas and Electric Co., plans gas, water and mains in portions of Central Ave., Sausal, Salinas, Pajaro, Church and Palmetto Sts. $25,000 or more. Private plans.

Calif., Whittier—Plans to purchase 2,000 ft. 4 in. Class C and 1,000 ft. Class B 6 in. c.i. pipe with fittings, gate valves, etc. P. Gilmore, city clk.

Calif., Yreka—see "Sewers."

BIDS DESIRED

N. Y., Creedmoor (Jamaica, P. O.)—Dec. 17, by State Hospital Comn., Albany, air compressors, piping, etc., for wells at Brooklyn State Hospital, here; adv. E. N.-R. Dec. 4.

N. Y., Long Island City—Dec. 6, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Rockaway Beach Blvd., here.

Md., Baltimore—Dec. 10, by Bd. Awards, valves and hydrants to Water Dept. V. B. Siems, City Hall, water engr.

Fla., Jacksonville—Dec. 8, by City Comn., 320 tons 6- to 12-in. Class B and C c.i. mains, and 11 tons castings and fittings. R. N. Ellis, purch. agt.

O., Blanchester — Dec. 17, by the Bd. Trustees, constructing water treatment plant and furnishing pumps. C. Reed, clk.; adv. E. N.-R. Dec. 4.

Okla., Guthrie—W. I. Mathis, comr. Pub. Wks., taking bids 150,000-250,000 gal. capacity steel tank and tower complete with foundations. G. L. Anderson, city clk.

Calif., Merced—Dec. 16, by H. P. Sargent, secy. Merced Irrigation Dist., 4 booster pumps, one 24 in. centrifugal and three 12 to 14 in. direct connected. R. V. Meikle, ch. engr.

Calif., Oakdale — Taking bids pumping plant at well in southern part of city. G. MacComber, engr.

BIDS RECEIVED

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Nov. 25, mains, etc. in Haven, 9th and 3rd Aves., East, Service (Riverside Dr.) West 13th, West 14th, West 181st and West 205th Sts., from Beaver Eng. & Contg. Co., 57 Chambers St., $10,664. Noted Nov. 20.

CONTRACTS AWARDED

Mass., Boston—Supply Dept., City Hall, about 183,000 lb. iron castings consisting of hydrant and gate stock, to Pub. Wks. Dept., Water Serv., to Mechanics Iron Fdry. Co., 38 Kemble St., Roxbury, $0.05 per lb. Noted Nov. 6.

La., Shreveport—W. T. Mayo, comr. Pub. Utilities, City Hall, 15,000 ft. 30 in. concrete and c.i. conduit from Cross Lake to city pumping plant, to J. B. McCrary Co., Citizens and Southern Bank Bldg., Atlanta, Ga., $196,500. Noted Sept. 4.

Okla., Oklahoma City—Waterworks improvements, incl. steam lines and heaters

Waterworks (Continued)

at pumping station, to Anderson & Donnelly, 423 North Robinson St., $17,505.

Wash., Lowell—City Council constructing waterworks, to H. W. Troutman, 15 West Prospect St., Seattle, $23,580.

Calif., Ukiah—Will replace one 10 in. pumping main with approximately 4,000 lin. ft. new 12 in. mains, by day labor. Pipe will be purchased in open market. F. C. Handy, supt. Pub. Serv. Dept.

Ont., Ford — Border Utilities Comn., pumping station, to Windsor Constr. Co., 8 Condon St. E., Windsor, $87,414; laying intake pipe, to Considine Reid Co., Ferry Docks, Windsor, $18,500; intake tunnel to Merlo, Merlo & Ray, Ford, $22,700; valves, to Francis Hankin Co., 20 St. Nicholas St., Montreal, Que., $4,500; float regulators, to International Filter Co., Toronto, $1,700; screen, to Link Belt Co., Chicago, Ill., $6,930; steel intake pipe, to Horton Steel Co., Bridgeburg, $10,228; pumping equipment to Turbine Equipment Co., 73 King St. W., Toronto, $28,495.

Ont., Islington—Etobicoke Twp., 16,000 ft. 6 and 8 in. c.i. mains in various streets, to Dufferin Constr. Co., 210 Victoria St., Toronto, $17,800; furnishing 16,000 ft. 6 and 8 in. pipe, to Natl. Iron Corp., foot of Cherry St., Toronto. Engrs. est. $30,000. **Noted Nov. 6.**

Sewers

PROPOSED WORK

Mass., Beverly—City and Commonwealth, State House, Boston, plans pumping station at Andresa Court, part of extensive sewer project for Beverly and other nearby towns. To exceed $50,000. H. Goodnough, Sewer Div., Room 141 State House, Boston, engr.

Pa., New Castle—Voted $300,000 bonds for sewage disposal plant on 38 acre site in Taylor Twp.

Fla., Bradentown — Election Dec. 19, $141,000 bonds constructing and extending sanitary sewers, and $72,000 bonds storm sewers. E. V. Camp, Bradentown, engr.

La., Bossier City—See "Waterworks."

Ky., Louisville—Voted $5,000,000 bonds for sewers in various streets. J. B. F. Breed, 417 West Main St., ch. engr.

O., Bexley (Columbus P. O.) — See "Waterworks."

Mich., Detroit — Dept. Pub. Wks. made plans vitr. brick and concrete sewers in 1,925 ft. Lateral Sewer 4273, 416 ft. Lateral 4274, 407 ft. Lateral 4275, 9,266 ft. Lateral 4276, and 13,570 ft. Lateral 4278. G. Jerome, city engr.

Wis., Milwaukee — J. H. Fowles, secy. Sewerage Comn., 508 Market St., soon takes new bids forced and induced fan equipment for filter and dryer house on Jones Island. $12,000. Former bids rejected. T. C. Holton, engr. Noted Nov. 13.

Minn., Albert Lea — Defeated $100,000 bonds for sewage disposal plant. Noted Oct. 16.

Neb., Omaha—Making preliminary plans extending and enlarging brick or rein.-con. sewers in 6 blocks Jones St. $125,000. H. Beal, city engr.

Ark., Magnolia—See "Waterworks."

Ark., Morrilton—Making plans and takes bids about Jan. 15, disposal plant and several mi. additional lateral sewers, etc. $50,000. S. G. Davis, Morrilton, engr.

Tex., Ennis—See "Streets and Roads."

Tex., Livingston—Election Dec. 12, $40,000 bonds sanitary sewers and disposal plant. F. C. Von Zuben, Ft. Worth, consult. engrs. Noted Oct. 30.

Calif., Los Angeles—Making plans storm sewer in Leonard St., $2,500,000; approximately 8 mi. 8 x 12 ft. rein.-con. sewer in Jefferson St., $2,000,000; approximately 16 sq.mi. rein.-con. storm sewer, main portion 9 to 11 ft. wide, also 12- to 33-in. cement lateral drain, etc., in Arroyo de la Sacatela. E. W. Tuttle, dist. engr.

Calif., Los Angeles — Los Angeles Co. making plans extending rein.-con. storm sewers from Santa Monica Blvd. and La Cienga Ave. in Sherman, to Washington Blvd. and Adams St. $1,500,000. A. H. Warren. Hall of records Bldg., co. drainage engr.

Calif., Santa Cruz — Plans improving sewage plant. To exceed $25,000. H. E. Godegast, city engr.

Calif., Yreka — Plans election $56,000 bonds for septic tank in connection with sewerage system, reservoir, purchase land and lay pipe lines.

Ont., Maidstone—Maidstone Twp. plans expending $100,000 for 7 or 8 mi. tile drains. Engineer not selected.

SILVER CREEK DRAIN—GRAND RAPIDS, MICH.

Following are lowest three bids opened by M. P. Adams, city sanitary engr., Nov. 19, for Silver Creek Drain, Contr. K-1, (A) VanderWeele Bros., Grand Rapids (awarded contract); (B) A. Phelps & Sons, Knoxville, Ia.; (C) J. C. Stewart, Owosso. The unit bids are as follows:

	A	B	C
370 cu.yd. additional earthwork above invert	$1.60	$1.00	$3.00
100 cu.yd. excavation below drain	2.00	4.00	4.00
200 cu.yd. additional tamping	.10	.75	.50
10 M ft. BM. timber left in place	60.00	40.00	50.00
50 cu.yd. additional class "A" concrete	15.00	16.00	20.00
10 cu. yd. class "B" concrete	15.00	16.00	18.00
20 cu.yd. additional class "C" concrete	12.00	11.00	10.00
20,000 lb. additional steel reinforcing	.05	.05	.07
2,000 lin.ft. 8-in. vitrified clay underdrain	.60	.20	.25
100 cu.yd. gravel refill	2.50	3.00	3.00
2 cu.yd. additional brick masonry	25.00	25.00	50.00
5 manholes, type "A"	100.00	150.00	125.00
4 manholes, type "D"	90.00	100.00	110.00
9 manholes, type "DX"	125.00	125.00	250.00
Less possible deduction for salvaged frames and covers	10.00	20.00	10.00
	20%	22%	Net
$2,867.60 A. S. T. M. clay sewer tile, list price	15%	22%	Net
3,252 lin.ft. type "A" drain 00 & 55 to 33 & 07	32.00	39.00	35.00
Extra work at Clyde Park Avenue (lump sum)	3,000.00	8,500.00	2,000.00
335 lin.ft. type "B" drain 33 & 07 to 36 & 42	46.00	60.00	50.00
1,503 lin.ft. type "A" drain 36 & 42 to 51 & 45	32.00	21.50	34.00
Junction chamber (lump sum)	1,600.00	1,280.00	1,800.00
594 lin.ft. type "C" drain 51 & 66 to 57 & 60	30.00	17.90	26.00
2,240 lin.ft. 30-in. interceptor	9.00	6.25	5.00
470 lin.ft. 8-in. separate sewer	1.50	.65	1.00
Extended totals	$220,292	$222,722	$224,559

BIDS DESIRED

N. Y., Long Island City—Dec. 8, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., storm water overflow sewers in Riker, 8th and Winthrop Aves.; submerged outlet pipe sewer in Nortons Creek.

Pa., Glendale (Rockton P. O.)—Dec. 9, by Bd. Scott Twp. Comrs., Allegheny Co., 37,550 ft. sanitary sewers in all streets. $75,000. V. W. Andrews, 509 Curry Bldg., Pittsburgh, engr.

N. C., Windsor—See "Streets and Roads."

Minn., St. Paul—Dec. 9, by H. W. Austin, city purch. agt., Belt Line-Hazel Park sewerage system, Contrs, A, B, E and F, 44,000 bbls. Portland cement, 13,800 cu.yd. concrete sand, 26,000 cu.yd. gravel or crushed rock, 500,000 cu.yd. sewer brick, 141,635 pieces reinforcing. $895,000. Former bids rejected. G. M. Shepard, city engr. Noted Nov. 13.

Okla., Oilton — Dec. 24, by C. Patchier, city clk., 12,100 ft. 8- to 12-in. vitr. clay outfall sewers and mains. $28,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs. Noted Mar. 6.

BIDS RECEIVED

N. J., Metuchen—Mayor and Boro Council, 13 mi. sewers, from Romano & Saggese, Cloverhill Pl., Montclair, $157,446, sewage disposal plant, from Stonella Constr. Co., Newark, $64,394. Noted Oct. 16.

N. J., Trenton—City Comn., constructing sewage disposal plant, etc., from J. P. White, 212 Washington Pl., Passaic, $1,002,107; J. L. Sigretto, Bernardsville, $1,056,775; M. Staub & Kolyn Constr. Co., Highland Park, New Brunswick, $1,075,410. Engrs. est. $1,124,515. Noted Nov. 13.

Ky., Louisville—Commissioners of Sewerage, Nov. 14, Central Relief Drain, from Hammen Constr. Co., 6553 Woodward St., Detroit, Mich., Type B, Inverted Egg Section $462,957; Section, from Cannell-Conrad Constr. Co., Brooke and Avery Sts., Type C, Shield Section $634,174. Noted Oct. 16.

CONTRACTS AWARDED

N. Y., Brooklyn—E. Riegelmann, boro. pres., Boro Hall, **(e.e. means engineers estimate)**, to Fenlon Constr. Co., sewers in Utica Ave. 71.48% e.e. $29,301, Albany St. 71.89% e.e. $17,452; to B. Peconi & Son, 570 18th Ave., 62nd St. 71% e.e. $12,433; to J. Gallo, 203 Division St., Rutland Rd. 83% e.e. $10,768; to Tomassetti & Co., Inc., 1133 60th St., East 94th St. 74.74% e.e. $9,252, West 6th St. 74.74% e.e. $4,012, 16th Ave. 71.43% e.e. $3,979; to M. Tozzi, 1362 63rd St., East 28th St. 75% e.e. $6,805, East 46th St. 70% e.e. $5,785, West 9th St. 70% e.e. $4,449; to Nazzarro & Querriero, West 9th St., 67th St. 77.75% e.e. $3,428, Ocean Ave. 78% e.e. $3,244; to R. Iovino, Bedford Ave. 79.75% e.e. $2,639, East 27th St. 77% e.e. $1,048, 13th Ave. 72% e.e. $400, 61st St. 72.5% e.e. $400; to Manmill Constr. Co., 2035 Douglass St., Richardson St., 89.9% e.e. $2,198, East 14th St. 94% e.e. $1,518. Noted Nov. 6.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sewers in Polk Ave., to J. H. Johnson, $40,586; sewer in 95th St., $10,373; temporary sanitary sewer in Breckenridge Ave. and reconstructing outlet of Remsen St. Sewer to J. Gallo, 203 Division St., Brooklyn, $16,208 and $3,735 respectviely. Noted Nov. 20.

N. Y., New York—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., sewers in Edison Ave. to Slach & Slach, 145 Montague St., Brooklyn, $11,422, Intervale Ave., to Bronx Sewer Constr. Co., 375 East Fordham Rd., $417,055. Noted Nov. 27.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro., Boro. Hall, temporary sewers in New Dorp, Oakwood and vicinity, to Hammen & Co., 279 Madison Ave., Perth Amboy, N. J., $124,970. Noted Nov. 20.

Maryland—Comrs. Baltimore Co., sewers and appurtenances in Catonsville and Colgate, Proposal 1-S, to Catalano & Picora Constr. Co., Knickerbocker Bldg., Baltimore, $91,025. Noted Nov. 6.

La., Covington—Repairing and extending sewers in various streets, to Chambers & Bowers, Covington. Engrs. est. $25,000.

O., Cleveland—For 3,500 ft., 3 ft. 6 in. to 4 ft. 6 in. concrete sewer in Sects. 8 and 9, Southwest Sewer Dist., to Salem, & George Bros., Erie Bldg., $86,462. Noted Nov. 27.

Mich., Detroit—To Liberty Constr. Co., 1026 Dime Bank Bldg., constructing Lateral Sewer 4228 $128,922; to Michigan Constr. Co., 400 Penobscot Bldg., Lateral Sewer 4230 $3,070; to S. Healy, 6466 Epworth Blvd. Lateral Sewer 4242 $18,127, Lateral Sewer 4258 $5,294; to J. Leo, 1762 Puritan Ave. Lateral Sewer 4255 $495; to C. R. Lennane Co., 2631 Woodward Ave., Lateral 4256 $14,381; to A. Rossi, 1337 Brady St., Lateral 4247 $12,847. Noted Nov. 13.

Mich., Jackson—Constructing West Side intercepting sewer, 6,100 ft. 54 in., 1,950 ft. 48 in., 5,200 ft. 24 in., 4,640 ft. 20 in. and 900 ft. 10 in. c.i. pipe, to Rennie & Dibble, 11565 Oakwood Ave., Detroit, $117,645.

Kan., Kansas City—Fairfax D. D., 11,022 ft. concrete block storm and sanitary sewers (lower end), to Torsen Constr. Co., Washington, D. C. $292,697, 5,000 ft. tile sewer (upper end), to Halpin Boyle Constr. Co., 709 Railway Exch. Bldg., $28,614 Noted Oct. 30.

Mo., Kansas City — Bd. Pub. Wks., sewers and sidewalks on various streets, to Mullins Constr. Co., 202 Nelson Bldg., $66,156.

Wash., Seattle—Bd. Pub. Wks., to Scalzo & Co., sewers in 20th Ave. N. E., et al., 11,900 ft. 8 in. clay pipe at $1.90 per ft., 2,010 ft. 10 in. $2.10, 266 ft. 15 in. $3.00, 244 ft. 21 in. $4.50, etc., total $46,316. Engrs. est. $43,941.

Calif., Los Angeles — Sewers in Sunset Blvd., to M. Radich, 4207 Eastern Ave., $23,480; in 36th Pl., to Culjak & Bebek, 425 West 78th St., $8,900.

Calif., Santa Barbara—One hollow tile pump and screen plant with concrete sump, incl. one 10 and one 12 in. centrifugal pump with gas engine drive, two 6 ft. Doorco cylindrical screens with ejectors, motors and automatic ejectors with valves, pipes, etc., to Merritt-Chapman-Scott Corp., 1st Natl. Bank Bldg., Wilmington, $61,937. Noted Nov. 20.

Calif., Williams—For 16,600 lin.ft. 6 and 8 in. and 14,200 lin.ft. 10 and 12 in. vitr. sewers in various streets also vitr. disposal plant, to M. Smith, 1003 85th Ave., Oakland, $29,597. Noted Nov. 29.

Sewers (Continued)

Ont., Riverside — Constructing 7,700 ft. 21- to 36-in. sewers in various streets, to Merlo, Merlo & Ray Ltd., Ford; and aerating and clarifying tanks, to Strain & Emery, 7 Dowler Bldg., Windsor. Engrs. est. $85,000.

Ont., Toronto — Constructing 1,215 ft. rein.-con. interceptor sewer on Boulevard Dr., to Connelly-Agnew Constr. Co., 606 Avenue Rd. $38,537. Engrs. est. $40,000.

Waste Disposal

PROPOSED WORK

Calif., Fresno—Fresno Disposal Co., J. P. Ryan, mgr., Brix Bldg., having plans prepared garbage incinerator expansion, from 30 to 70 tons per day. Private plans.

CONTRACTS AWARDED

N. J., Princeton — Boro. Council, constructing incinerator, to Davis Incinerator Co., 15 East 40th St., New York City, $14,990. Noted Oct. 23.

Tex., San Antonio — Brick and concrete incinerator plant, to Superior Incinerator Co., c/o Southwestern Bitulithic Co., Gunter Bldg., $37,750. Noted Nov. 20.

Bridges

PROPOSED WORK

N. J., Hackensack — State Hy. Dept., Trenton, making plans strengthening fixed spans and foundations of Hackensack River Bridge on Lincoln Highway. $300,000. W. G. Sloan, Broad St. Bank Bldg., Trenton, ch. engr.

N. C., Wilson—Plans 5 rein.-con. bridges over Horning Swamp. $89,000. S. Lucas, mayor.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, plans bridge over Forked Deer River, on Dyer-Lauderdale Co. line Rd., Dyer and Lauderdale Counties. J. G. Creveling, highway comr.

Mich., Detroit—Grand Trunk Ry., H. E. Whittenberger, genl. mgr., 400 East Jefferson Ave., had tentative plans prepared steel girder bridge to carry traffic over tracks at East Grand Blvd. grade separation. $40,000. Private plans.

Missouri — State Hy. Dept., Jefferson City, making plans one 80 ft. steel truss and four 40 ft. I beam spans, etc., over Blackwater River D. D., one 80 ft. steel truss and two 40 ft. I beam spans, etc., over Black Water River, both Johnson Co.; four 12 ft. rein.-con. slab spans, etc., over stream, Lawrence Co.; three 12 ft. rein.-con. slab spans, etc., over Licking Creek, and two 10 ft. rein.-con. slab spans, etc., over Dry Run Creek, both Texas Co.; one 25 ft. rein.-con. deck girder span, etc., over Winn Creek, Macon Co.; three 30 ft. rein.-con. deck girder spans, etc., over Owl Creek, Platte Co.; one 80 ft. steel truss span, etc., over Sugar Creek, Lewis Co.; one 90 ft. steel truss span, etc., over Little Sniabar River, Lafayette Co.; one 60 ft. steel truss span, etc., over stream, Audrain Co.; two 40 ft. rein.-con. deck girder spans, etc., over Beaver Creek, Douglas Co. B. H. Piepmeier, ch. engr.

Mo., St. Louis—Bd. Pub. Serv. soon takes bids 90 ft. rein.-con. bridge, 60 ft. roadway with two 20 ft. sidewalks, over Washash R.R. tracks on Delmar Blvd., $538,000. L. R. Bowen, 301 City Hall, engr.

Ark., Van Buren—State Hy. Dept., Little Rock, takes bids probably in spring, rein.-con. and steel bridge over Clear Creek, here, for Crawford Co. and State. $150,000. W. W. Mitchell, Ft. Smith, engr.

Tex., Beaumont — Jefferson and Hardin (Kountze) Counties made plans and soon takes bids 40 ft. span, 512 ft. steel I beam and creosoted pile trestle bridge over Pine Island Bayou. $25,000. A. C. Love, Beaumont, co. engr.

Tex., Center—See "Streets and Roads."

Tex., Huntsville — See "Streets and Roads."

Okla., Davidson—State Hy. Dept., Oklahoma City, making preliminary plans 1 mi. 175 span concrete bridge, Tillman Co. $350,000. J. M. Page, highway engr.

Wash., Puyallup — Comrs. Pierce Co., Tacoma, take bids early in January, 371 ft. steel and concrete bridge, with 5 ft. sidewalks on each side, over Puyallup River, here. $84,000. M. M. Caldwell, Central Bldg., Seattle, engr.

Wash., Tacoma—Comrs. Pierce Co., take bids about Dec. 30 (extended date), 371 ft. steel, single-leaf bascule bridge on concrete piers, with 20 ft. roadway, two 5 ft. sidewalks and timber approaches over Hylebos Waterway. $78,000. M. M. Caldwell, Central Bldg., Seattle, engr. Noted Oct. 30.

Ont., Welland—Dept. Pub. Wiks., Parliament Bldg., Ottawa, plans 220 ft. concrete and steel bridge over Welland Canal. $100,000. K. M. Cameron, Hunter Bldg., Ottawa, ch. engr.

BIDS DESIRED

South Carolina — Dec. 10, by Allisons Ferry Bridge Bd., Florence, bridge and approaches across Great Pee Dee River, between Florence and Marion Counties. Johnson & Roberts, Marion, engrs.; adv. E. N.-R. Dec. 4.

Ohio—Dec. 12, by Dept. Hys. and Pub. Wks., Columbus, bridge and approaches on Sect. G, Hamilton-Eaton Rd., Butler Co., $13,769; concrete bridge on Sect. C, Caldwell-Woodsfield Rd., Noble Co., $12,783; beam bridge on Sect. C, Delaware-Marysville Rd., Union Co., $5,155. A. V. Danaheys, div. highways.

O., Ashtabula—Dec. 22, by Bd. Comrs. Ashtabula Co., Court House, Jefferson, substructure and super-structure of through-truss trunnion bascule bridge over Ashtabula River at Bridge St. W. W. Howe, clk.; adv. E. N.-R. Nov. 27 and Dec. 4.

Illinois—Dec. 17, by Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, four 150 ft., one 95 ft. and nineteen 50 ft. rein.-con. span bridge on Route 3, Sect. 73-B, Randolph Co., 474,230 lb. steel, etc.; four 160 ft. and one 95 ft. steel span bridge on Route 3, Sect. 73-C, Randolph Co., 1,033,820 lb. steel, etc.; six 50 ft. rein.-con. span bridge on Route 4, Sect. 430-B, Cook Co., 245,800 lb. steel, etc.; one 30 ft. and one 35 ft. rein.-con. span bridge on Route 8, Sect. 42-B, Knox Co., 58,530 lb. steel, etc.; one 50 ft. rein.-con. span bridge on Route 14, Sect. 10-B, Hamilton Co., 30,910 lb. steel, etc.; three 35 ft., five 40 ft. and one 24 ft. rein.-con. span bridge on Route 15, Sect. 14-B, Jefferson Co., 172,730 lb. steel, etc.; two 40 ft. and three 50 ft. rein.-con. span bridge on Route 22, Sect. 20, Lake Co., 191,810 lb. steel, etc.; two 100 ft. rein.-con. span bridge on Route 31, Sect. 15-B, Schuyler Co., 29,450 lb. steel, etc.; two 100 ft. steel span bridge on Route 31, Sect. G, Schuyler Co., 181,080 lb. steel, etc.; one 40 ft., six 50 ft. and one 125 ft. rein.-con. span bridge on Route 33, Sect. 3-B, Jasper and Crawford Counties, 162,400 lb. steel, etc.; one 125 ft. steel span bridge on Route 33, Sect. 3-C, Jasper and Crawford Counties, 127,420 lb. steel, etc. F. T. Sheets, ch. engr.

Ia., Ames—Dec. 12, by Auditor Story Co. (Nevada), three 70 x 24 ft. pony truss or plate girder span steel and concrete bridge south of here. S. Steigerwault, Nevada, co. engr. Noted Sept. 4 under "Nevada, Ia."

Kan., Eldorado—Dec. 18, by Clerk Butler Co., Bridge 1, two 90 ft. and two 24 ft. steel span bridge, on Federal Aid Project 205-F, 3 mi. from here. H. D. Barnes, Eldorado, engr.

Kan., Junction City—Dec. 16, by Clerk Geary Co., Court House, 100 ft. marsh concrete arch, 20 ft. roadway, 700 cu.yd. concrete, 41,067 lb. reinforcing, 18,200 lb. structural steel, etc., and 25 ft. concrete span, 2,950 lb. reinforcing, 9,690 lb. structural steel, etc., on Lyons Creek Rd.

Kan., Salina—Dec. 11, by H. A. Ragle, clk. Salina Co., two 35 ft. and one 120 ft. span I-beam steel bridge on Bee Line Rd., 478 cu.yd. concrete, 21,536 lb. reinforcing, 171,900 lb. structural steel, etc. W. H. Cost, Salina, engr.

Tex., Carthage—See "Streets and Roads."

Tex., Paris—See "Streets and Roads."

Tex., Seymour—See "Streets and Roads."

Calif., Ventura—Comrs. Ventura Co. taking bids 59 ft. bridge, 20 ft. and 59 and 98 ft. bridges, 18 ft., all timber, over Revolon Slough. C. Petit, co. surv.

B. C., Ebourne—Dec. 18, by Minister Dept. Pub. Wks., Victoria, one 154 ft., and one 134 ft. steel swing span bridge, timber trusses, etc., over Fraser River, here. $210,000. P. Philip, ch. engr.

BIDS RECEIVED

Louisiana — State Hy. Dept., Reymond Bldg., Baton Rouge, Grand Ecore Bridge, on Colfax-Natchitoches Highway, Natchitoches Parish, from Hankins Bros., Many, $22,892. Noted Nov. 13.

Wis., Kaukauna—L. C. Wolf, city clk., Nov. 18, 2 steel bridges over River and Government canal, from Worden-Allen Co., Port Washington Ave., Milwaukee, $142,864. Noted Oct. 23.

Wash., Seattle—Bd. Pub. Wks., Nov. 21, from L. Romano, 122 23rd Ave. S., approaches to 12th Ave. S. Bridge, and paving existing center span, 3,300 cu.yd. side slope excav. at $1.50 cu.yd., 1,295 cu.yd. piers, excav. $2, 1,490 cu.yd. anchorage excav. $2, 1,350 cu.yd. Class A concrete $1[illegible], 1,092 cu.yd. Class B concrete $17.50, 44,[illegible] lb. steel $0.045, 930,000 lb. structural steel $0.07, total $175,897 (80 days), $193[illegible] (10 days). Noted Oct. 9.

CONTRACTS AWARDED

Vt., North Troy—Dept. Highways, Montpelier, one 95 ft. deck plates girder bridge with concrete flooring and approaches, here, to G. H. Stebbins, North Adams, Mass. Noted Oct. 30 under "Vermont."

Mass., Boston — Dept. Pub. Wks., rebuilding Dartmouth St. Bridge, to C. & E. Constr. Co., 3 Tremont Row, $72,500. Noted Nov. 27.

New Jersey—State Hy. Comn., Trenton, concrete encased steel plate girder bridge, two 75 ft. spans over Pequannock River, Route 8, Morris and Passaic Counties, to Arnold-Moore Co., 45 Clinton St., Newark, $82,236. Noted Nov. 27.

Md., Silver Spring — Baltimore & Ohio R.R. Co., Baltimore and Charles Sts., Baltimore, fabrication and delivering steel work for superstructure grade crossing elimination bridge, approximately 420,000 lbs. steel, 3 spans of deck plate girders, supporting 2 railroad tracks and 2 sidewalks, total length 87 ft., to Amer. Bridge Co., 71 Bway., New York City.

La., Tangipohoa—State Hy. Dept., Reymond Bldg., Baton Rouge, 161 ft. steel swing span bridge with 900 ft. north and 1,674 ft. south approaches over Pass Manchac, on Federal Aid Project 133, St. John the Baptiste and Tangipohoa Parishes, to Austin Bridge Co., 1813 Clarence St., Dallas, Tex., terminal (1a) $108,764, terminal (2b) $107,235. Noted Oct. 30.

Wisconsin—J. A. Bohland, engr. Great Northern R.R., St. Paul, raising and replacing span of 250 ft. railroad and street railway bridge, 60 ft., rein.-con., concrete, steel and stone, knocked down by steamer passing through, between Duluth and Superior, to Peppard & Fulton, 217 Bd. Trade Bldg., for Interstate Bridge Co., Suprioor. $250,000.

Wis., Kaukauna—L. C. Wolf, city clk., 2 steel bridges over river and Government Canal, to Worden-Allen Co., Port Washington Ave., Milwaukee, $142,864. Noted Oct. 23.

Kan., Enterprise—Dickson Co. (Abilene), 160 x 20 ft. rainbow arch span bridge, near here, 828 cu.yd. concrete, 43 tons reinforcing, 4,600 ft. wooden piling, etc., to N. E. Marsh, Attica, $34,070. Noted Nov. 6.

Kan., Kingsley—Edwards Co., five 100 ft. span steel and rein.-con. bridge, 20 ft. roadway, etc., on Greensburg-Kinsley Rd., Federal Aid Project 267-A, to Tomlinson Bridge & Supply Co., Garfield, $54,442.

Tex., Beaumont — Southern Pacific Ry. Co., Southern Pacific Bldg., Houston, 1,773 ft. steel and concrete viaduct, 24 ft. roadway, incl. grading and concrete work, to McDaniel & Hartford, 2205 Franklin St.; city will surface roadway with asphalt and owner will furnish and erect steel. Engrs. est. $135,000.

Okla., Davis—State Hy. Dept., Oklahoma City, two 40 ft., one 60 ft. and one 90 ft. span concrete and rein.-con. bridge, here, Murray Co., 46,000 lb. reinforcing and 9,600 lb. structural steel, to Gaines, Yokum & Mackey, Sulphur, $42,342. Engrs. est. $45,000.

Okla., Medford—State Hy. Dept., Oklahoma City, two 34 ft. I-beam, two 80 ft. and one 96 ft. truss span steel truss bridge, Grant Co., 599,000 lb. reinforcing, 284,600 lb. structural steel, 1,024 ft. creosoted piling, etc., to Pioneer Constr. Co., 101 New York Life Bldg., Kansas City, Mo., $39,051. Engrs. est. $45,000.

Calif., Merced — H. P. Sargent, secy. Merced Irrigation Dist. (Schedule A) concrete work for 5 steel railway bridges on relocation of Yosemite Valley R.R., 28,000 cu.yd. concrete, to Davis-Heller-Pearce Co., Delta Bldg., Stockton, $210,080. Noted Oct. 23.

Que., St. Gedeon—Concrete and steel foundation for bridge over Belle River, to C. Gagnon, St. Felicien, Lake St. John. $55,000.

Dams

PROPOSED WORK

N. D., Grand Forks — Voted $75,000 bonds, for reservoir dam across Red River of the North. C. E. Evanson, city aud. Noted Oct. 30.

Calif., San Diego — Voted $4,500,000 bonds to purchase land for water development on San Diego River, and construct dam, 150 ft. high at El Capitian, 30 mi. east of here, and pipe conduit to city. F. A. Rhodes, City Hall, engr. Noted Oct. 16.

Railways

PROPOSED WORK

Arizona and Mexico—Santa Fe Ry. Co., Kerchkoff Bldg., 6th and Main Sts., Los Angeles, Calif., made plans for double track system from Winslow, Ariz., to Gallup, Mexico. $3,000,000. R. B. Ball, ch. engr.

Ontario—Ontario Hydro Power Comn., 190 University Ave., Toronto, plans extensions, double tracking and relaying rails in Windsor. $700,000. Private plans. A. Beck, London, chn.

CONTRACTS AWARDED

Alabama—Gulf, Mobile & Northern Ry. Co., 71 Conti St., will build 4 mi. spur from Crichten to Spring Hill to connect with Chickasha Utilities Rd., by day labor. $750,000. H. S. Jones, ch. engr.

Illinois — Illinois Central R.R. Co., 135 East 11th Pl., Chicago, last 3 sections Edgewood-Fulton line, to John Marsh, Inc., 1307 Wrightwood Ave., Chicago, Blythe Bros., Farina, and States Corp., 38 South Dearborn St., Chicago. Noted Nov. 20.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Wis., Mayville — Dodge Co. (Juneau) Drainage Bd., c/o L. S. Keeley, secy., Mayville, plans Farm Drain No. 9, in Elba Twp., here, 75,000 cu.yd. open ditch, 12,550 lin.ft. 8- to 14-in. drain tile. $25,000. L. M. Schindler, 717 Clark St., Appleton, engr.

Minn., Dundee — Nobles Co. (Worthington), plans constructing Judicial Ditch 17 near here. $48,000. C. J. Hall, co. aud.

Minn., Glencoe — McLeod and Meeker Counties, preparing plans and takes bids in spring, Judicial Ditch 12. $15,000.

Wash., Tacoma — See "Streets and Roads."

Calif., Kirkwood—H. O. Harrison, c/o engr., making plans irrigating 522 acres, installing two 1,800 g.p.m. centrifugal pumps operated by electric motors, open ditch distributing system, 700 lin.ft. 16 in. steel pipe. $25,000. H. A. Kluegel, Balfour Bldg., San Francisco, engr.

BIDS DESIRED

Fla., Tampa—Dec. 17, by M. D. Pooler, secy. Ideal Farms D. D., 32 Giddens Bldg., mains, laterals, etc., 740,000 cu.yd. dry earth excav. $125,000. McElroy Eng. Co., 32-34 Giddens Bldg., engrs.

BIDS RECEIVED

Massachusetts—Dept. Pub. Wks., Boston, dredging about 10,000 cu.yd. in Plymouth Harbor, from Bay State Dredging & Contg. Co., 62 Condor St., East Boston, $0.68 per cu.yd. soft deposit, 20 cu.yd. boulders.

Massachusetts — Dept. Pub. Wks., State House, Boston, dredging about 26,000 yd. East Dock, Commonwealth Pier 5, in South Boston, from Rendle-Kenney Dredging & Constr. Co., 322 Border St., East Boston, $0.295 per cu.yd. soft deposit, and $10 for boulders.

CONTRACTS AWARDED

Ark., Leachville—Mississippi Co. D. D. 16, c/o J. F. Roderick, secy., Leachville, 23 mi. drainage canals, 291,000 cu.yd. excav., to Volmer & Mattson, Blythville, $36,427.

Calif., Porterville—Vandalia Irrigation Dist., furnishing and laying 55,000 lin.ft. 4 to 26 in. riveted steel pipe, Schedule 5, to Western Pipe & Steel Co., 444 Market St., San Francisco; dig and backfill 55,000 lin.ft. trench for above pipe, Schedule 6, to R. F. Ware, 2126 East 38th St., Los Angeles.

Streets and Roads

PROPOSED WORK

Mass., Boston — Plans widening Broad St. from Wharf St. to India Sq. To exceed $25,000. J. A. Rourke, city comr.

Mass., Boston—Plans widening Albany St. from Bway. to Kneeland St. $1,000,000. F. H. Fay, City Planning Bd., City Hall, chn.

Mass., Dorchester (Boston, P. O.)—City of Boston plans extending Verrill and Locust Sts. $25,000. J. F. Sullivan, Street Laying Out Dept., City Hall, Boston, secy.

Mass., Medford—Bd. Alderman, plans constructing about 6,500 ft. Fulton St., as highway from Felsway West Parkway to Highland Ave. North Medford Dist. $25,000-$30,000. Engineer not selected.

Mass., West Roxbury (Boston, P. O.)—City of Boston plans laying out and constructing Fernald Terrace, Billings Lane, Seeanar Rd., Maynard and Hayes Sts., here. $25,000. J. F. Sullivan, Street Laying Out Dept., City Hall, Boston, secy.

TUNNEL—WASHINGTON, D. C.

Bids were opened at U. S. Engr. Office, Old Land Office Bldg. (lowest 3), Nov. 4, for constructing tunnel for second high pipe line for increase of water supply in district. (A) Allen Pope, Washington; (B) Thomas Sheahan, Hagerstown, Md.; (C) The Arundel Corp., Baltimore. The unit bids are as follows:

	A	B	C
8,600 cu.yd. excavating shafts and tunnel	$17 00	$21 70	$20 50
60,000 ft. b.m. timbering shafts and tunnel	10	12	14
3,950 cu.yd. concrete in tunnel lning and other structures	17 00	16 85	19 50
500 cu.yd. dry packing in tunnel	3 00	6 50	4 37
2,500 bags grouting in tunnel (cement)	3 00	2 25	2 95
550 cu.yd. back filling	1 00	2 00	1 38
3,900 lb. steel for reinforcement	.10	.10	.07
450 lb. steel expansion plates	.20	.20	.20
600 lb. steel, miscellaneous	.15	.15	.20
4 short tons special castings	200 00	200 00	300 00
Extended totals	$230,270	$271,723	$273,727

GRADE SEPARATION—DETROIT, MICH.

Following are lowest three bids opened by Wayne County Rd. Comn., 1103 Real Estate Exch., Oct. 14, for grade separation at Division Rd. South and Detroit & Ironton R. R., (A) W. E. Lennane, 2631 Woodward Ave. (awarded contract); (B) R. A. Mercier, 5435 Wesson Ave.; (C) Closser Bros., 777 West Fort St. The unit bids are as follows:

	A	B	C
64,000 cu.yd. excavation to subgrade	$0 90	$0 75	$0 89
20 100 ft. sta. fine grading	20 00	500 00	30 00
1,800 cu.yd. excavation for footings	2 00	2 00	2 25
2,131 cu.yd. concrete abutments, piers and walls	12 50	15 00	16 85
662 cu.yd. concrete in deck	18 77	15 00	23 20
4,900 sq.ft. gunnite encasement	.38	.40	.65
7,425 sq.ft. waterproofing floor slab	.19	.25	.25
63 cu.yd. mortar protection	18 00	20 00	12 00
170,800 lb. steel reinforcing, in place	.05	.04	.055
Sewer layout to pumpwell (lump sum)	6,047 00	7,200 00	7,992 10
Pumphouse and equipment, including discharge pipes (lump sum)	8,495 00	8,500 00	6,500 00
Sewer from discharge pipes to river (lump sum)	9,551 00	16,000 00	9,106 95
Lighting installation (lump sum)	935 00	1,000 00	772 00
Driving five test piles	200 00	1,250 00	100 00
24,300 lin.ft. foundation piles, delivered	.31	.35	.30
19,000 lin.ft. foundation piles, driving (no jetting)	.18	.20	.43
5,300 lin.ft. foundation piles, driving (jetting)	.21	.25	.70
Extended totals	$151,704	$162,984	$172,108

Pa., Ebensburg — Comrs. Cambria Co., soon take bids concrete paving 1,468 ft. highway in Adams, Summerhill and Croyle Twps., 18 ft. $118,000. L. R. Owens, co. engr.

W. Va., Beckley — Raleigh Co. election Dec. 22, $550,000 bonds improving roads in Town Dist. W. J. Campbell, Beckley, engr.

W. Va., Beckley—Raleigh Co. election Dec. 22, $170,000 bonds improving roads in Shady Spring Dist. W. J. Campbell, Beckley, engr.

N. C., Ahoskie—Plans paving several sections streets. $48,000-$50,000. L. C. Williams, mayor.

N. C., Fayetteville—Plans to issue $150,000 bonds for additional paving. H. J. McBuie, city clk.

N. C., Rutherfordton — Making plans 8 mi. concrete sidewalks on various streets.

N. C., Wilson—Plans additional street paving. $165,000. S. Lucas, mayor.

Miss., Grenada—Voted $150,000 bonds improving roads in Dists. 1 and 3. Noted Oct. 23.

Miss., Hattiesburg—Voted $250,000 bonds for roads. Noted Oct. 23.

Louisiana — Pontchartrain Causeway Assn., W. Pfoff, pres., plans 20 mi. causeway across Lake Pontchartrain, 150 ft. wide. Surveys will be made shortly. W. L. Brown, secy.

La., Covington—Making plans grading, curbing and hardsurfacing various streets. To exceed $30,000.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, probably takes bids in January, grading, gravel or chert surfacing, bridging, etc., 8 mi. Sorby-Haardin Co. line Rd., Wayne Co. J. G. Creveling, highway comr.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 10 mi. Newbern-Obion Co. line Rd., Dyer Co. J. G. Creveling, highway comr.

Tenn., Byrdstown—Pickett Co. made surveys grading, etc., 7 mi. Fentress Co. line-Kentucky State line Rd. Work will be under supervision of State Hy. Dept.

Tenn., Nashville—Voted $180,000 bonds widening, extending and improving Union St. W. W. Southgate, city engr.

O., Canton — Stark Co. Good Roads Council, plans during 1925, 12 mi. new road construction, and 3.5 mi. widening and resurfacing, etc., present roads. A. M. Wise, co. engr.

O., Cambridge—Plans improving West Gomber Ave. $25,000, and Elm St. $35,000.

O., Cincinnati—Hamilton Co. plans grading and rein.-con. paving 10,444 sq.yd. I. C. H. 19 at Sharonville, 20 ft. $34,122. E. A. Gast, Court House, engr.

Indiana—State Hy. Dept., Indianapolis, plans during 1925, hardsurfacing 226.6 mi. various roads, also in addition the commission agreed on tentative schedule for paving 77.2 mi. more if revenue next year is sufficient. C. Gray, highway engr.

Mich., Jackson—Voted $5,500 bonds paving Pearl St., $4,000 bonds Jackson St., $6,500 bonds Cortland St., and $18,500 bonds Michigan Ave.

Ill., East St. Louis—Soon takes bids grading and 8 in. rein.-con. surfacing 22,730 sq.yd. Missouri Ave. W. McK. Brown, City Hall, engr.

Ill., East St. Louis—Soon takes bids removing present brick surface and sheet asphalt resurfacing 30,940 sq.yd. 9th St. $113,000. W. McK. Brown, City Hall, engr.

Wis., Fond du Lac—Sheboygan Co., $18,500 bonds paving 0.625 mi. Main St., St. Cloud Co. Trunk G; $18,200 bonds gravel surfacing 3.5 mi. Metomen-Fairwater-Sheboygan Co. line Rd., 16 ft., Trunk Highway 103, $39,660 bonds 3 mi. Newcastle-Dundee-Sheboygan Co. line Rd., 16 ft., Trunk Highway 67, County Trunk F; $65,000 bonds 6.5 mi. Trunk Highway 23-Trunk Highway 103 Rd., 16 ft., County Trunk C, $60,000 bonds 6 mi. Brandon-State Highway 26 Rd., 16 ft., County Trunk C, $39,600 bonds 6.5 mi. Byron-Dodge Co. line Rd., 16 ft., County Trunk K, $45,000 bonds 5 mi. Rosendale-Trunk Highway 26 Rd., 16 ft., County Trunk N, and $23,000 bonds 4.5 mi. Auburn Rd., 16 ft., Trunk Highway 67. G. Treleven, comr.

Wis., Juneau—Making plans improving approximately 24,000 sq.yd. Maple Ave., Mill, North, West, Center, Depot, South Main and Hyland Sts., various types material considered. E. B. Parsons, Jefferson, engr.

Wis., Oshkosh — Winnebago Co. voted $250,000 bonds concrete surfacing Neenah-Winchester Rd. from Winchester to Trunk Highway 95, and Omro-Eureka-Berlin Rd. from Omro to Trunk Highway 34. E. F. C. Steiner, comr.

Wis., Watertown—H. Weber, city clk., takes bids in spring concrete paving 3rd St. from Jefferson to Clyman Sts., 18 ft. $25,000. Jefferson Co. to appropriate toward cost.

Wis., Waupun—Making plans improving approximately 15,000 sq.yd. Madison St., various types material considered. E. B. Parsons, Jefferson, engr.

Minn., Ada—Norman Co. voted $250,000 bonds, for grading and gravel surfacing State Highways 6 and 31. J. A. Erickson, Ada, engr.

Minn., Luverne — Making plans grading and gravel surfacing 6 mi. State Rd. 5, 7 mi. State Rd. 7, and 3 mi. State Rd. 3, Rock Co., $30,000. J. Brown, Luverne, engr.

Streets and Roads (Continued)

Minn., St. James—Watonwan Co. plans grading 20 mi. road in west end, $28,000. T. J. Buhl, St. James, engr.

Minn., Staples—Plans paving 10 or 15 blocks various streets. $50,000. Engineer not announced.

Minn., Worthington—Nobles Co. plans and gravel surfacing 6 mi. State Rd. 5, 7 streets. $75,000. E. Keeler, Worthington, engr.

Minn., Waseca—Making plans paving 1 mi. Elm St., State Trunk Highway 7, 6 or 8 in. concrete base surfaced with present brick. $30,000. State to pay paving center strip, 18 ft. wide. J. Madigan, city clk.

Kan., Garnett—Making preliminary plans grading and brick on concrete, rein.-con., asphaltic concrete or asphaltic concrete surfacing 16 blocks Elm, Main, Walnut, Pine, Maple and 5th Aves. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Kan., Wichita—Plans grading and asphaltic concrete surfacing 5 blocks Green St., $30,000, and grading and macadam surfacing 12 blocks Murdock St., both 26 ft. P. L. Brockaway, city engr.

Kan., Wichita—Plans asphaltic concrete surfacing 1 block each, Briggs and Harrison Sts.; concrete surfacing, 2 blocks Fannie St. and 1 block 12th St., and sheet asphalt surfacing 1 block Holyoke St., all 26 ft. $50,000. P. L. Brockway, City Bldg., engr.

Neb., Omaha—Soon takes bids grading, curbing and hard surfacing 22 mi. various streets, 400,000-500,000 sq.yd. brick, asphalt, concrete or asphaltic concrete, etc. H. Beal, City Hall, engr.

Neb., Omaha — Making plans grading, paving and curbing approximately 22 mi. 72 street Impvt. Dists. H. Beal, city engr.

S. D., Sioux Falls—Plans paving, etc. 15 blocks 18th St. between Menlo and Harvard Sts., Dakota Ave. between 7th and Russell Sts., and Walts Aves. between 12th and 18th Sts. $45,000. W. C. Leyse, city aud.

Missouri — State Hy. Dept., Jefferson City, making plans grading 1.5 mi. Lexington-Kansas City Rd., Lafayette Co., 13.6 mi. Kansas City-St. Joseph Rd., Platte Co., 8.5 mi. Rolla-Licking Rd., Texas Co., 9 mi. road from Salem north and south, Dent Co., 5 mi. Mexico-Bowling Green Rd., Audrain Co., 4.75 mi. road from Canton west, Lewis Co., 5 mi. road from Macon east and west, Macon Co.; 16 ft. gravel surfacing 4.6 mi. road from Aba east and west, Douglas Co., and 5 mi. road from Bismarck southwest, B. H. Piepmeier, ch. engr.

Mo., Kansas City—Bd. Pub. Wks., having preliminary plans prepared widening 15th St. from Campbell St. to Bway. $1,600,000. R. Waddell, City Hall, engr.

Mo., Kansas City — Kansas City Terminal Ry. Co., Union Sta., having plans prepared concrete paving for subway from 15th to 18th Sts. To exceed $25,000. J. V. Hanna, c/o owner, engr.

Mo., St. Louis—Making preliminary plans replacing present granite block paving with asphalt or wood block, on Lucas, Morgan, St. Charles, Market, Chestnut, Locust, Vine, 4th, 8th, 9th, 10th, 11th, 6th and 7th Sts., various widths. W. W. Horner, 300 City Hall engr.

Tex., Boston—Bowie Co. making plans grading and rein.-con. surfacing 11.64 mi. Bates Sect. State Highway 5, 18 ft. $400,000. D. K. Caldwell, Tyler, engr.

Tex., Carrizo Springs—Dimmitt Co. making plans grading and caliche and macadam surfacing 11.68 mi. State Highway 85, State Aid Project 483-D, 16 ft. $115,500. J. G. Lott, co. engr.

Tex., Center—Shelby Co. soon takes bids grading iron ore gravel surfacing and bridging 5.02 mi. State Highway 35 from Timpson east, 18 ft. $70,000. Titus & Dillon, Carthage, engrs.

Tex., Ennis—G. C. Sanderson, city secy., soon takes bids paving 16 blocks, and 1,200 ft. rein.-con. storm sewers in various streets. $75,000. H. McCandliss, c/o City Hall, engr.

Tex., Groveton—Trinity Co. voted $94,000 bonds improving Rd. Dist. 6. F. J. Berry, co. judge. Noted Sept. 11.

Tex., Huntsville—Walker Co. soon takes bids grading and bridging 15.5 mi. Federal Aid Project 460-B, State Highway 19, 18 ft. $110,000. D. K. Caldwell, co. engr.

Tex., Liberty—Liberty Co. making plans rein.-con. surfacing 34.54 mi. Bates Sect. State Highway 3, Houston-Beaumont Rd., 18 ft. $937,000. W. C. Youngs, Dayton, co. engr.

Tex., Snyder—Election Dec. 1, $50,000 bonds paving various streets. A. C. Pruitt, city secy. Engineer not announced.

Tex., Wharton — Voted $65,000 bonds permanent paving various streets. Noted Nov. 6.

Okla., Chickasha — Grady Co. election Dec. 22, $650,000 bonds, grading and surfacing 112 mi. various roads. J. M. Page, Capitol Bldg., Oklahoma City, engr.

Okla., El Reno—Plans grading and paving 7 blocks South Rock Island Ave., 7,100 sq.yd. concrete, 4,700 ft. curb, 2,400 cu.yd. excav. $35,000. F. H. Peckham, 227 West Grand St., Oklahoma City, engr.

Okla., Holdenville — Defeated $35,000 bonds, grading and paving 7 blocks South Echo, West Oklahoma and 5th Sts., Dist. 16, and project will be dropped. Noted Nov. 6.

Okla., Kingfisher—Kingfisher Co. election Jan. 14, $650,000 bonds concrete surfacing 100 mi. various roads. Former election defeated. J. M. Page, Capitol Bldg., Oklahoma City, engr. Noted Sept. 18.

Okla., McAlester — Plans grading and paving 6 blocks West Seminole Ave. from Oak to C Sts., 6,650 sq.yd. concrete, 3,800 ft. curb, 2,300 cu.yd. excav. $30,000. F. Frazer, McAlester, engr.

Okla., Oklahoma City — Plans grading and paving 7 blocks Ave. E, Villa and 17th Sts., 1,100 sq.yd. concrete, 6,250 sq.yd. asphaltic concrete, 4,400 ft. curb and gutter, 2,400 cu.yd. excav. $33,500. B. M. Hart, City Hall, engr.

Okla., Ralston—Making preliminary plans grading and paving 6 blocks Main St., 56 ft. To exceed $25,000. Engineer not selected. H. Shannon, mayor.

Okla., Vinita—Plans grading and surfacing 8 blocks Flint Ave., 8,600 sq.yd. gravel, 4,700 ft. curb and gutter, 2,450 cu.yd. excav. $25,000. G. Ashby, Vinita, engr.

Okla., Wetumka—Plans brick paving 15,000 yd. in Dist. 1. $70,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Wash., Tacoma—City Council soon takes bids for new Union Station approach, 80,000 cu.ft. excav., 60,000 ft. fill, circular driveways, and subway at east end of station, widening 9th St. bridge, resurfacing 8th and 9th Sts. $115,505. W. M. Bosworth, city engrs.

Calif., Corning—Plans paving 6 blocks various streets. $25,000 or more. C. F. Lunning, Red Bluff, engr.

Calif., Los Angeles—Plans concrete paving, curbing, sidewalks and remodeled oil surfacing 7 blocks Terrace 52, Dover Pl.; concrete paving, sidewalks, curbing, sewers, etc., in 11 blocks Hallenbeck Ave. and Mines Impvt. Dist.; asphalt and concrete paving, curbing, guttering, sidewalks, etc., on 9 blocks Delta St., Cypress, Menlo, Walton and South Park Aves., etc. To exceed $75,000. H. A. Van Norman, City Hall, engr.

Calif., Los Angeles—Plans paving, curbing, sidewalks, etc., in San Fernando annex area of city. $4,000,000.

Calif., Los Angeles—Harbor Comn. making plans 28 ft. roadway and later widened to 56 ft. in vicinity of West Basin, $35,000 or more. J. W. Ludlow, engr.

Calif., Monrovia — Plans oil tamped macadam or 8 in. concrete surfacing White Oak Ave. from Canyon Blvd. to Mayflower Ave. $58,141-$110,000. H. S. Gierlich, city engr.

Calif., Pomona — Plans paving Garey Ave. between Grand and Franklin Aves., and Towne Ave. between 2nd and Olive Sts. To exceed $25,000 each. F. C. Froedhe, city engr.

Calif., Richmond — Plans widening and improving, etc., Standard Ave. $35,000. City to pay $12,000 toward cost and balance by property owners.

Calif., Salinas—Plans paving portions of Palmetto, Pajaro, Sausal Sts., etc. To exceed $25,000. H. Cozzens, city engr.

Calif., Santa Barbara — Plans election bonds to exceed $25,000, improving highway from Lompoc to Harris Sta.

Calif., Santa Barbara—Plans paving Rinconado, Ruth Sts., etc., $27,500 available; grading, paving, etc., Ferello Rd., Spring St., Park Ave., etc., $35,000 available. G. D. Morrison city engr.

Calif., Santa Barbara — Making plans curbing, guttering, etc., El Sol Se Acuesta Tract; also paving 5th St. and Alamar Ave. $60,000 or more. G. D. Morrison, city engr.

Calif., San Rafael—Marin Co. had estimates made concrete paving road from Whites Hill to Tocaloma Rd. J. C. Oglesby, Cheda Blk., San Rafael, co. surv. $724,900.

Ontario—Provincial Hy. Dept., Toronto, plans paving 59 mi. highway between London and Sarnia. C. H. Fullerton, ch. engr.

Ont., Niagara Falls—Plans asphalt on concrete paving 2,000 ft. 2nd Ave. from Morrison to Jepson Sts., 24-30 ft. $25,000. T. S. Scott, City Hall, engr.

Ont., Toronto — Making plans asphalt surfacing 9,000 sq.yd. Front and Berkley Sts., 30-45 ft., $15,989 and $6,011 respectively, 1,400 ft. Hazelton Ave., 30 ft., $14,484; asphalt on concrete paving 900 sq.yd. Mt. Stephen St., 24 ft., $4,414; concrete sidewalks on 5,000 lin.ft. Orchard Park Blvd. $4,627, Carrick Ave. $143, Ingham Ave. $958, Joyce Blvd. $1,888, Condor Ave. $432, St. Germaine Ave. $8,941, Victoria Park Ave. $3,106, Yonge St. $2,366, Rhyl Ave. $855; concrete paving Rosewell Ave. $4,169, and Duplex Ave. $9,783; concrete curbing 325 lin.ft. Elmer Ave. $285; grading lane from Langley to Riverdale Aves., $12,200, lane from Somerset St. to Delaware Ave. $14,850, lane from Bleecker to Ontario Sts. $2,200, lane from Salem to Westmoreland Aves. $7,600, Courtland Ave. $5,309, Orchard Park Blvd. $21,501. R. C. Harris, city engr.

BIDS DESIRED

New York — Dec. 16, by A. W. Brandt, comr. Highways, Albany constructing and reconstructing highways in Albany, Cattaraugus, Chautauqua, Greene, Hamilton, Herkimer, Orange, Orleans Putnam St. Lawrence, Schenectady, Schoharie and Westchester Counties; adv. E. N.-R. Dec. 4.

N. Y., Long Island City—Dec. 10, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sheet asphalt repaving Main St., Astoria and Jackson Aves.

N. Y., New York—Dec. 10, by J. Miller, pres. Manhattan Boro., Municipal Bldg., grading, Wadsworth Terrace and West 118th St.

N. Y., New York—Dec. 11, by H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., granite block repaving East 144th St.

N. C., Windsor—Dec. 11, by J. M. Gatlin, mayor, improving various streets, 10,000 sq.yd. concrete or asphaltic paving, 7,000 sq.yd. concrete sidewalks, 1,200 ft. combined curb and gutter, sewers, etc. $28,000-$30,000. R. D. Gladding, Wilson, engr.

Ohio—Dec. 12, by Dept. Hys. and Pub. Wks., Columbus, grading, bridging and paving 50.307 mi. roads in Allen, Butler, Columbiana, Mahoning, Cuyahoga, Delaware, Paulding, Perry, Seneca, Trumbull and Tuscarawas Counties; graveling 11.26 mi. roads in Coshocton, Holmes, Wayne and Knox Counties; widening 2.506 mi. road in Harrison Co.; grading, etc., 4.29 mi. road in Perry Co. A. V. Donaheys, div. highways.

W. Va., Moundsville—Dec. 18, by J. E. Chase, clk. Marshall Co., improving 6 mi. Cameron Ridge Rd., Liberty Dist. A. Purdy, co. engr.

Fla., Fort Meade—Dec. 8, paving 40,000 sq.yd. various streets. E. V. Camp, Fort Meade, engr.

Alabama — Jan. 7, by State Hy. Dept., Montgomery, cement or asphaltic concrete surfacing 17.2 mi. Lomax-Chilton Co. line Rd., 20 ft., Chilton Co. $170,000. W. S. Keller, highway engr.

Miss., De Kalb — Dec. 16, by Supervs. Kemper Co. at office Chauncery clk., improving 8.907 mi. Federal Aid Project 107-A, 11.66 acres clearing and grubbing, 65,407 cu.yd. earth excav., 42,868 cu.yd. borrow, 930 ft. 18- to 24-in. pipe, 20,875 cu.yd. gravel, 40,998 units gravel ½ mi. overhaul, 99,060 sq.yd. mixing gravel and sand clay binder, bridge over 20 ft. span, etc. H. C. Dietzer, Jacksonville, engr.

La., Baton Rouge — Dec. 16, by City Comn., hardsurfacing and gravel surfacing several miles of various streets.

Ind., Albion — Dec. 9, by W. T. Knox, engr., Noble Co., grading and graveling 35,602 ft. Sanders Rd., 24 ft. $39,396.

Illinois—Dec. 17, by Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, alternate bids invited but not required on concrete, vitr. brick, bituminous concrete with or without binder course paving 193.56 mi. roads, incl. 32.61 mi. 8 and 9 ft. widening as follows: 10.19 mi. in Iroquois Co., 18.38 mi. in White Co., 32.61 mi. in Vermillion Co., 13.23 mi. in Will Co., 11.1 mi. in Du Page Co., 26.72 mi. in Jo Daviess Co., 14.83 mi. in Knox Co., 11.79 mi. in St. Clair Co., 6.96 mi. in Macoupin Co., 11.79 mi. in La Salle Co., 3.31 mi. in Jersey Co., 6.1 mi. in Carroll Co., 4.3 mi. in Ogle Co., 22.25 mi. in Fulton Co.; grading 234,695 cu.yd. in Knox Co., 84,245 cu.yd. in White Co., 24,061 cu.yd. in Jefferson Co., 159,157 cu.yd. in Schuyler Co., 251,300 cu.yd. in Fulton Co., 83,855 cu.yd. in Jasper Co. and

Streets and Roads (Continued)

529,160 cu.yd. in Jo Daviess Co., cement to be furnished by Highway Dept. F. T. Sheets, ch. engr.

Ia., Maquoketa—Dec. 16, by G. O. Morse, city clk., paving 20,500 sq.yd. various streets. J. G. Thorne, 317 Howes Blk., Clinton, designing and supervising engr.; adv. E. N.-R. Dec. 4.

Kan., Atchison — Dec. 12, by Clerk Atchison Co., grading, concrete guttering and brick on concrete paving 35,415 sq.yd. Federal Aid Project 112, and brick or concrete paving, etc., 66,468 sq.yd. Project 100. R. D. Coleman, 418 North 7th St., engr. Noted Nov. 20.

Kan., Junction City—Dec. 16, by Clerk Geary Co., grading, etc., 4.745 mi. Lyons Creek Rd., 18 ft., Federal Aid Project 228-A.

Kan., Larned—Jan. 2, by Clerk Pawnee Co., grading nad sand clay surfacing 11.904 mi. Federal Aid Project 281-A, 18,053 lb. reinforcing, 2,052 ft. 16- to 24-in. rein.-con. pipe, 7,584 ft. guard rail, 79,598 cu.yd. earth and 1,550 cu.yd. rock excav., (alternate a) 11,284 cu.yd. and (alternate b) 27,637 cu. yd. sand clay, etc.; 7.918 mi. Federal Aid Project 295-A, 13,545 sq.yd. sand clay, 668 ft. 18 and 24 ft. rein.-con. pipe, 4,120 ft. guard rail, 47,766 cu.yd. excav., 27,646 cu. yd. channel change, etc. V. Stewart, Larned, co engr. Noted Oct. 23.

Kan., Oswego—Jan. 8, by Clerk Labette Co., improving 6.751 mi. Federal Aid Project 214-A, 607 sq.yd. concrete, 40,570 lb. reinforcing, 680 ft. 15- to 30-in. rein.-con. pipe, 14,457 cu.yd. gravel, 146,750 units additional overhaul, 16,695 ft. hedge, 5,500 ft. guard rail, 36,591 cu.yd. excav., 4,167 cu.yd. borrow, etc. H. K. Shadeler, co. engr.

Kan., Paola—Dec. 31, by Clerk Miami Co., improving 8.255 mi. Federal Aid Project 213-A, 10,884 ft. hedge, 3,790 ft. guard rail, 34,785 cu.yd. earth and 2,768 cu.yd. rock excav., 1,973 sq.yd. borrow. Kansas Eng. Co., 1233 Webster St., Topeka, engrs. Noted Oct. 9.

Kan., Paola—Dec. 31, by Clerk Miami Co., grading, etc. 8.889 mi. Federal Aid Project 289-A, 55,960 lb. reinforcing, 1,484 ft. 15- to 24-in. rein.-con. pipe, 25,395 ft. hedge, 9,750 ft. guard fence, 47,481 cu.yd. earth and 10,764 cu.yd. rock excav., 18,345 cu.yd. borrow, etc. Kansas Eng. Co., 1233 Webster St., Topeka, engrs. Noted Nov. 27.

Tex., Carthage—Dec. 15, by Titus & Dillon, engrs., Carthage, improving 6.77 mi. State Highway 8, Federal Aid Project 458, $45,000; grading and bridging 14.7 mi. State Highway 64, Federal Aid Project 456-A, 18 ft., $90,000; gravel surfacing 9.68 mi. State Highways 38 and 43, State Aid Project 502, $125,000, all in Panola Co.

Tex., Linden—S. L. Henderson, judge Cass Co., Nov. 14, grading and concrete surfacing, etc., 4.99 mi. State Highway 48, Federal Aid Project 435-A, 9 ft., from Smith Bros., Inc., Amer. Exch. Bank Bldg., Dallas, $113,229. Engrs. est. $22,990. Noted Nov. 6.

Tex., Paris—Dec. 16, by W. M. Fooshee, engr. Lamar Co., grading and Bates type concrete paving 55,621 yd. State Highway 5, Federal Aid Project 395-C, $90,000; concrete paving 4.12 mi. State Highway 39, Federal Aid Project 481-B, 18 ft. $70,000; grading and bridging 12.72 mi. State Highway 24, Federal Aid Project 455-A, $90,000. Noted Nov. 27.

Tex., Seymour—Dec. 16, J. G. Rollins, engr., Baylor Co., grading and bridging 14.47 mi. Bomarton Rd. between here and Knox Co. line, State Highway 30. $110,000. Noted Nov. 27.

Tex., San Antonio—Taking bids curbing, guttering, raising, levelling, grading, rock foundation and topping with rock asphalt or bitulithic Chicago Blvd. from Presa to Hackberry Sts., North San Marcos St. from Commerce to Ruiz Sts., Dawson St. from Cherry to Pine Sts. and North Mesquite St. from Commerce to Houston Sts. $25,000. I. Ewig, city engr.

Ark., Little Rock — Dec. 12, by Comrs. Arkansas and Missouri Hy. Dists. at office Ford & MacCrea, engrs., 215 Gazette Bldg., improving 3.98 mi. highway, 4 acres clearing and grubbing, 18,000 cu.yd. excav., 43,000 sq.yd. fine grading and scarifying, 470 ft. 18 and 24 in. concrete pipe, 51,500 lb. reinforcing, 43,000 sq.yd. Bates type concrete, etc.

California—Dec. 15, by State Hy. Comn., Sacramento, grading and crushed gravel or stone surfacing 10.8 mi. highway between Halfway and Dog Creeks, Shasta Co. R. M. Morton, highway engr. Noted Nov. 27.

Calif., Blythe—City Trustees taking bids improving Hobson Way between Main St. and west city limits, 112,560 sq.ft. 6 in. concrete paving, 14,955 sq.ft. concrete sidewalks, 14,056 sq.ft. gravel shoulders, 126,616 sq.ft. grading, etc. A. C. Fulmor, 646 West 7th St., Riverside, engr.

Calif., Chico—City Trustees taking bids improving 40 blocks Normal Ave. and Chestnut St., 581,040 sq.ft. grading, 575,200 sq.ft. 5 in. asphaltic concrete paving, etc. To exceed $75,000. R. Witt, city engr. Noted July 24.

Calif., Eureka—City Council taking bids improving E St. between 7th and Harris Sts., 221,139 sq.ft. grading, 195,130 sq.ft. 1.5 in. Warrenite bitulithic on 2.5 in. asphaltic concrete 26,009 sq.ft. 1.5 in. Warrenite on 3.5 in. asphaltic concrete, 66,849 sq.ft. 1.5 in. Warrenite on 5.5 in asphaltic concrete, etc.

Calif., Inglewood—City Trustees taking bids improving 67th St. between Manor Dr. and Redondo Blvd., 1,525 cu.yd. grading, 59,792 sq.ft. 5 in. oil macadam paving, etc. A. W. Corey, city engr.

Calif., Inglewood—City Trustees taking bids improving Arbor Vitae St., 294,312 sq.ft. grading, 205,849 sq.ft. 5 in. Willite paving, etc. A. W. Cory, city engr.

Calif., Lynwood—Taking bids improving Josephine and Verginia Sts., etc., 104,570 sq.ft. grading, 5,825 ft. curbing, 20,140 sq.ft. sidewalks and 54,500 sq.ft. oiling. E. M. Lynch, Central Bldg., Los Angeles, engr.

Calif., Oakland—City Council taking bids grading, macadam shoulders with oiled surface, and concrete reinforced with steel, paving, etc., 14th St. west from Wood St. $70,000. City to pay $25,000 toward cost and balance by property owners. W. W. Harmon, city engr.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., from Pegno Constr. Co., 380 Freeman Ave., Astoria, grading, sidewalks, etc., on 7th Ave. $2,435, from Welsh Bros. Contg. Co., 32 Queens St., Astoria, Ridge St. $4,479, 51st St. $27,905, from J. J. O'Brien, Inc., William St., Jamaica, Bway. $878, from Uvalde Asphalt Paving Co., 1 Bway., New York City, 112th St. $18,445, 92nd St. $9,795, from C. Kurth, 9519 126th St., Richmond Hill, Bliss St. $2,124, 96th St. $7,062; from Sicilian Asphalt Co., 41 Park Row, New York City, grading, sidewalks, etc., on Queen St. $9,854, from A. A. Johnson Corp., Queens Blvd., paving Hallett St. $11,078, 14th Ave. $16,394, Astoria Ave. $40,985; from Highway Impvt. & Repair Co., 501 Bloomfield Ave., Montclair, N. J., asphalt repaving Jackson Ave. $131,275. Noted Noted Nov. 20.

Alabama—State Hy. Dept., Montgomery, grading and chert surfacing 8.3 mi. Wilton-Montevallo-Calera Rd., 20 ft., Shelby Co., from Newell Constr. Co., 3828 Ave. A, Birmingham, $107,060; grading and clay gravel surfacing same road, from Scott-Chambers Co., West Point, Ga., $115,879. Noted Nov. 6.

Kentucky — State Hy. Dept., Frankfort, Nov. 25, **(F. A. P. means Federal Aid Project, S. P. means State Project)**, waterbound macadam surfacing 8.314 mi. Hopkinsville-Elkton Rd., 18 ft., F. A. P. 123, Christian Co., from E. L. Trauber, Adairsville, $155,465; waterbound macadam, river gravel or bank gravel surfacing 3.708 mi. New Castle-La Grange Rd., 14 ft., S. P. 19-A, Henry Co., from E. W. Booker, $78,855, 10 mi. Smithland-Marion Rd., 16 ft., F. A. P. 92-A, Livingston Co., from A. J. Hoffman, North Adams, Mich., $84,673; river graveling 2.524 mi. Madisonville-Hopkinsville Rd., 18 ft., F. A. P. 122-B, Hopkins Co., and rock asphalt surfacing 2.982 mi. Madisonville-Hopkinsville Rd., 18 ft., F. A. P. 122-A, Hopkins Co., from N. E. Stone Co., Madisonville, $47,461 and $121,752 respectively; grading, etc., 11.949 mi. Hickman-Reelfoot Lake Rd., 24 and 28 ft., S. P. 54-C, Fulton Co., from S. K. Jones, $56,664, 10.425 mi. Fulton--Hickman Rd., 24 and 28 ft., S. P. 54-B, Fulton Co., from R. E. Martin, $65,369, 4.19 mi. Greensburg-Hodgenville Rd., 24 and 28 ft., S. P. 41-C, Green Co., from Mason & Douglas, Elizabethtown, $32,772. 3.415 mi. Lynch-Poorfork Rd., 24 and 28 ft., S. P. 56-B, Harlan Co., from Kentucky Road Constr. Co., Frankfort, $35,071, 8.087 mi. Hartford-Morgantown Rd., 24 and 28 ft., S. P. 11-C, Ohio Co., and 12.906 mi. Baardwell-Paducah Rd., 24 and 28 ft., S. P. 9½-A, Carlisle Co., from W. W. Carter, Clay, $34,712 and $164,665 respectively, 7.81 mi. Hartford-Owensboro Rd., 24 and 28 ft., S. P. 11-B, Ohio Co., and 12.539 mi. Mayfield-Hickman Rd., 24 and 28 ft., S. P. 54-A, Fulton Co., from Ellis & Smeathers, Owensboro, $99,349 and $110,203 respectively. Noted Nov. 13.

Kentucky—State Hy. Dept., Frankfort, **(S. P. means State Project)**, waterbound macadam surfacing 6 mi. Burlington-Florence Rd., 16 ft., S. P. 5-U, Boone Co., from Hannon-Hughes Co., Pioneer, $75,031; grading 7.613 mi. Whitesburg-Pikeville Rd., 24 and 28 ft., S. P. 6-D, Letcher Co., from Beasley-Wright & Stewart, Wise, Va., $157,302, 9.435 mi. Hartford-Greenville Rd., 24 and 28 ft., S. P. 45-A, Ohio Co., from Corum Bros., Madisonville, $82,152, 6.445 mi. Hazard-Whitesburg Rd., 24 and 28 ft., S. P. 4-D, Perry Co., from Codell Constr. Co., Winchester, $103,531 5.769 mi. Pikeville-Whitesburg Rd. 24 and 28 ft., S. P. 6-D, Pike Co., from I. Webb, Kermit, W. Va., $151,126. Noted Nov. 13

Ind., Indianapolis — Marion Co., hard surfacing 1.7 mi. Dawson Rd., 18 ft., from Mansfield Eng. Co., Fletcher Trust Bldg., $46,050. Engrs. est. $46,731.

Ind., LaPorte—LaPorte Co., hardsurfacing 2.5 mi. William-Bigler Rd., 18 ft., from A. W. Taylor & Co., $54,542. Engrs. est. $66,442.

Michigan — State Hy. Dept., Lansing grading 6.591 mi. State Trunk Line Rd. 17-21, Wayne Co., from J. Porath, 745 Griswold St., Detroit, $192,590.

Michigan — State Hy. Dept., at office Comrs. Tuscola Co., Caro, Nov. 20, grading and surfacing Federal Aid Project 90, Sect. B, 24,257 cu.yd. excav., 63,030 sq.yd. 6 in. concrete, from Galaino Constr. Co., Bay City, $121,799. Noted Nov. 13.

Minnesota — State Hy. Dept., St. Paul, Nov. 18, **(S. P. means State Project and F. A. P. means Federal Aid Project)**, from D. H. Clough Co., 405 Palladio Bldg., Duluth, grading and gravel surfacing, 25.2 mi. Two Harbors-Beaver Bay Rd., S. P. 1-01, Divs. 2, 3, 4 and 5, F. A. P. 282, 40,326 cu.yd. gravel, $47,156; from Tobin & Maloney, Madison, S. D., 14.2 mi. Crookston-Euclid Rd., S. P. 6-06, Sect. 1, F. A. P. 293, 22,720 cu.yd. gravel, $32,474, 17.6 mi. Hallock-Donaldson Rd., S. P. 6-39, Sect. 1, F. A. P. 332, 28,160 cu.yd. gravel, $53,585, 20.4 mi. Hallock-Noyes Rd., S. P. 6-39, Sect. 2, F. A. P. 333, 32,640 cu.yd. gravel, $75,040; from Super-Way, Inc., Fergus Falls, 23 mi. Barnesville-Moorhead Rd., S. P. 64-24, F. A. P. 353A, 36,960 cu.yd. gravel, $69,031; from A. F. Lehrer, Stillwater, 3 mi. State Sanatorium-Walker Rd., S. P. 34-25, F. A. P. 317, 130,000 cu.yd. grading, etc., $41,645. Noted Nov. 6.

Missouri — State Hy. Dept., Jefferson City, Nov. 24 and 25, from Tibbetts & Tibbetts, Olathe, Kan., grading 17.654 mi Fredericktown-Jackson Rd., $22,032, 12.485 mi. Kansas City-St. Louis Rd., $16,090, in Madison, Bollinger and Saline Counties, from J. T. Cox, Branson, 4.302 mi. Sparta East Rd., $15,308, and 4.259 mi. road from Ozark east and west $17,591, both Christian Co., from Southern Materials & Constr. Co., Southern Trust Bldg., Little Rock, Ark., 8.105 mi. Kansas City-St. Louis Rd., Lafayette Co., $6,920, from C. Gregory, Newport, Ark., 7.794 mi. Kansas City-St. Louis Rd., Warren Co., $6,934, from F. F. Eberhardt, Salina, Kan., 9.322 mi. Kansas City-St. Louis Rd., Saline Co., $9,242, from E. D. Tyner Constr. Co., 14th and Elmwood Sts., Kansas City, 12.019 mi. Kansas City-St. Louis Rd., Lafayette Co., $19,820, from Haller & Emmerson Constr. Co., Boonville, 1.49 mi. Boonville West Rd., Cooper Co., $5,209, from R. P. Harper Constr. Co., Leona, Kan., 1.009 mi. road from Chillicothe south, Livingston Co., $21,958; from Material, Supply & Constr. Co., Boone, Ia., 16 ft. gravel surfacing 2.097 mi. Milan-Lemons Rd., Sullivan Co., $6,476, 3.755 mi. road from Lemons north and south, $9,562, and 3.292 mi. road from Unionville north, $10,189, all Putnam Co. (state to furnish gravel on all three), from Summerfield Jones Co., Billings, 4.694 mi. Rogersville-Fordland Rd., Webster Co. $22,617, 1.941 mi. road from Ava north, Douglas Co., $5,398, from C. C. Hayward, Shelbine, 5.855 mi. Paris-Shelbina Rd., Shelby Co., $61,102, from C. C. Stillman, Hematite, 2.216 mi. road from Bloomsdale north and south, St. Genevieve Co., $22,314, from Humphreys & Stebbins, Fredericktown, 2.702 mi. road from Mt. Sterling east, Gasconade Co, $38,367; from W. A. Ross Constr. Co., 1921 Bway., Kansas City, 18 ft. concrete paving 4.05 mi. Kansas City-St. Louis Rd., Lafayette Co., $61,664, from Harrison Eng. & Constr. Co., Kansas City, 3.363 mi. Kansas City-St. Louis Rd., Lafayette Co., $49,007, from C. H. Atkinson, Watertown, S. D. 14.322 mi. Kansas City-St. Louis Rd., Saline Co., $231,120, from S. J. Groves & Sons, Montreal and Cleveland Aves., Minneapolis, Minn., 15.158 mi. Kansas City-St. Louis Rd., Saline Co., $277,465, from M. E. Gilliog, Monett, 16.767 mi. Kansas City-Flat River Rd., St. Francois Co., $384,898, from Moutz & Oren, Effingham, Ill., 8.514 mi. Kansas City-St. Louis Rd., Warren Co., $102,896; W. R. Larson Constr. Co., Sioux Falls, S. D., 3.865 mi. Kansas City-St. Louis Rd., Lafayette Co., $51,663; from V. E. Koch, 419 Joplin St., Joplin, 5.705 mi. road from Boonville west, Cooper Co., $86,509,

Streets and Roads (Continued)

grading and 18 ft. concrete paving 6.717 mi. St. Louis-Kansas City Rd., $6,503 and $106,406 respectively, grading 4.215 mi. road from Boonville west $2,852, all Cooper Co.; from A. T. Patterson & Co., Macon, Ga., grading and 18 ft. concrete surfacing 16.998 mi. Kansas City-St. Louis Rd., Lafayette Co., $245,617, from W. D. Lanergan Constr. Co., New Madrid, 4.523 mi. road from Warrenton east, Warren Co., $64,131; from Pickus Eng. & Constr. Co., St. Louis, grading 21.67 mi. St. Louis-Flat River Rd., St. Francois Co., $40,512, 18 ft. concrete surfacing 4.903 mi. St. Louis-Flat River Rd., Jefferson Co. $117,017; from Rouse Constr. Co., Cape Girardeau, grading 4.555 mi. Fredericktown-Jackson Rd., Bollinger Co., $6,941, and 18 ft. concrete surfacing 23.107 mi. Fredericktown-Jackson Rd., Madison and Bollinger Counties, $438,178. Noted Nov. 20.

Tex., Amarillo—Potter Co., grading and gravel surfacing 5.63 mi. Bushland Rd., State Highway 23, State Aid Project 550, 18 ft., from Hoffman Constr. Co., Eastland, $31,845. Engrs. est. $39,400. Noted Nov. 13.

Wash., Seattle—See "Bridges."

Calif., Eureka—City Council improving G St., 381,213 sq.ft. grading, 51,124 sq.ft. 1.5 in. Warrenite bituminous, on 3.5 in. asphaltic concrete, 261,240 sq.ft. 2.5 in. Warrenite bituminous on 2.5 in. asphaltic concrete, culverts, etc., from Mercer-Fraser Co., Eureka, $104,129. Noted Nov. 13.

Calif., Los Angeles—From C. R. Snow, 852 th Ave., West Hollywood, curbing, sidewalks, etc. on 112th Ave., between Santa Monica Blvd. and Iowa St. $522, 115th Ave. $1,205, improving Rodea Rd. between 3rd and 9th Aves. $3,485; from H. R. Erdman, Los Angeles, improving Almont St. $19,504; from R. K. Smith, 1124 South St. Andrews Pl., grading, oiling, curbing, guttering and sidewalks on Gabriel Ave. $14,919; from W. D. McCray, Los Angeles, grading, curbing, sidewalks and paving Spence St. between Hollenbeck Ave. and 25th St. $11,973.

Calif., Los Angeles—Bd. Pub. Wks., Nov. 10, grading, asphalt and concrete paving, oil, roll, etc., Lexington Ave., and grading, oil and roll Halldale Ave., from Thomas & Chalmers, 444 San Fernando Bldg., $10,-951, and $17,914 respectively; grading, oil, roll, curbing, etc., San Pascual Ave., from P. J. Akmadjich, 821 Yale St., $16,321, Amethyst St., from D. J. Spahr, 3021 Del Monte St., $2,778 and Marathon St., from H. R. Erdman, 141 West Main St., Alhambra, $3,563.

Calif., Los Angeles — Asphaltic concrete paving 82,970 sq.ft. on wharves at Berths 230 C, D, E and 231, from Griffith Co., Railway Bldg., at $0.125 per sq.ft. Noted Nov. 27.

Calif., San Diego—San Diego Co. for 5 in. concrete paving 5.86 mi. Mussey Grade of Julian Highway, 18 ft. wide, from H. H. Peterson, Spreckles Bldg., $127,900. Noted Nov. 27.

Calif., Stockton—Supervs. San Joaquin Co., asphalt oil surfacing 3.31 mi. Duncan Rd., from Kaiser Paving Co., Amer. Bank Bldg., Oakland, $26,047.

CONTRACTS AWARDED

N. Y., Brooklyn—E. Riegelmann, boro. pres. Boro Hall, to R. Lynster, 1364 Sterling Pl., grading, curbing Cortelyou Rd. $2,786, to Galco Contg. Co., 745 Dean St., East 9th St., $3,927, East 34th St. $2,037, to F. Persicano, 350 Fulton St., East 14th St. $4,411, to M. J. O'Hara, 1228 Park Ave., New York City, asphalt paving Gelston Ave. $12,461, Kenmore Pl. $10,552; Avenue P $54,416, Quentin Rd. $8,803, 56th St. $9,793, 62nd St. $10,465; to Borough Asphalt Co., 1301 Metropolitan Ave., Montgomery St. $9,920; to Cranford Co., 52 9th St., 85th St. $7,939, Liberty Ave. $146,459. Noted Nov. 27.

N. Y., New York—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Ave., grading, etc. East 211th St., to Bronx Sewer Constr. Co., 375 East Fordham Rd., $22,-920. Noted Nov. 27.

Pa., Phila.—Bureau Hys., Dept. Pub. Wks., grading Aldine, Bleigh and Tudor Sts., to Morrissey Bros., 4345 North 7th St. $2,092, Irving St., to R. B. Wenner, 2313 Walnut St. $851; redressed granite block repaving Alder, Chancellor, Clifton, St. James and Warnock Sts., Union Paving Co., 30th and Locust Sts., $6,588, Terrace St., to C. G. Centrone, 6339 Race St., $3,523, 11th St., to Municipal Paving Co., 632 Kater St., $3,545; asphalt repaving 28th St., to Eastern Paving Co., 401 Colonial Trust Bldg., $19,275; asphalt paving Sprague St. and asphalt repaving Latimer St., to Barber Asphalt Paving Co., 239 North 30th St., $27,197 and $3,998 respectively. Noted Nov. 20.

Ga., Atlanta—Fulton Co., to MacDougald Constr. Co., 180½ Spring St., paving 45,748 sq.yd. Ponce De Leon Ave. $134,613, 2,909 sq.yd. Weyman Ave. $9,307, 960 sq.yd. Emery St. $2,534; to Jamison & Hallowell, Candler Bldg., 2,501 sq.yd. Bonlerara-Dekalb St. $6,603, 3,410 sq.yd. Byron Dr. $9,002, 2,376 sq.yd. Winslow St. $6,273, 3,409 sq.yd. Ashland Ave. $6,562, 2,556 sq.yd. Hale St. $5,690, to Case & Cathran, Candler Bldg., 2,881 sq.yd. Lee St. $6,750, 1,576 sq.yd. Brownhead Ave. $4,161, to Meader Constr. Co., 10 West Harrison St., 1,760 sq.yd. North Ave. $3,388, to S. E. Finley Co., Atlanta, Main and Market Sts. in Cartersville, $7,500.

Ala., Birmingham — City **(e. e. means engrs. est.)** asphalt on concrete paving 5 blocks 11th Ave. and 11th St. 40 ft. to Dunn Constr. Co., Lincoln Bldg., $34,411, e. e. $35,000; asphalt paving 4 blocks 26th St. and 37th Ave., 30 ft., to N. H. Bowdry, Farley Bldg., $5,064, e. e. $5,200, 4 blocks University Heights and College Highlands, 30 ft., to A. H. Dimijian, Woodward Bldg., $9,968, e. e. $10,000; concrete paving 2 blocks 1st Ave. and 71st St., 40 ft., to Street, Holt & Rast, Amer. Trust Bldg., $3,302, e. e. $3,500; sanitary sewers in 6 blocks 81st St. and Division Ave., to J. J. Goddard, 436 Powell St., $4,820, e. e. $5,000.

Louisiana—State Hy. Dept., Reymond Bldg., Baton Rouge, graveling 9 mi. Sects. E and F, Greensburg-Clinton Highway, State Project 362, St. Helena Parish to Kentwood Gravel Co., Kentwood, $70,235; also 5 mi. State Project 418A, Jennings-Lake Arthur Rd., to Fox Lumber Co., Lake Arthur, $5,300. Noted Nov. 20.

La., Winnsboro — A. W. Brown, town secy., rein.-con. paving, etc., 11,970 sq.yd. Alsworth, Front, Prairie and Pine Sts., to R. O. Marks, Shreveport, $38,410. Noted Nov. 13.

Michigan — State Hy. Dept. at office Comrs. Grand Traverse Co., Grand Traverse, grading and concrete surfacing 5.439 mi. Federal Aid Project 129 C, to J. R. Edelman, Muskegon, $158,628.

Michigan — State Hy. Dept., Lansing, will grade and concrete pave 4.382 mi. Federal Aid Project 95 A3, Washtenaw and Lenawee Counties, by day labor. $145,364. G. C. Dillman, ch. engr.

Mich., Detroit—To Detroit Asphalt Paving Co., 909 Free Press Bldg., paving with 3½ in. sheet asphalt on 8 in. concrete, 5,100 sq.yd. Burnette Ave., Sect. 2 $24,389, 8,050 sq.yd. Corbett Ave. $38,369, 13,800 sq.yd. Eastlawn Ave. Sect. 2 $55,698, 5,180 sq.yd. Manistique Ave. $25,520; to M. R. Hanna Co., 1636 Dime Bank Bldg., 7,950 sq.yd. Muirland Ave., $36,293, 6,400 sq.yd. Petoskey Ave. $29,159; to Cleveland Trinidad Paving Co., 402 Hammond Bldg., 3,310 sq.yd. Monica Ave., Sect. 3 $10,561, 3,310 sq.yd. Prairie Ave., Sect. 4 $10,737, 2,310 sq.yd. Stoepel Ave., Sect. 2 $11,250, 2,300 sq.yd. Wark Ave., Sect. 2 $10,791; to Bishop & Weir, 1305 Lafayette Bldg., grading and paving alleys with one course 6 in. concrete, 4,230 sq.yd. Alley 2089 $9,791, 1,770 sq.yd. Alley 2092 $4,169; to R. J. Powelson Co., 6530 Epworth Blvd. 3,540 sq.yd. Alley 2090 $8,186, 2,850 sq.yd. Alley 2091 $6,803, 1,350 sq.yd. Alley 2096 $3,219; to Otis Cement Constr. Co., 806 Hammond Bldg., 1,610 sq.yd. Alley 2093 $3,949, 1,410 sq.yd. Alley 2094 $3,366; to Wolverine Constr. Co., 2152 McClellan Ave. 1,350 sq.yd. Alley 2095 $3,474, 770 sq.yd. Alley 2097 $1,944, 775 sq.yd. Alley 2098 $1,951.

Wisconsin—State Hy. Comn., Office 8, First Natl. Bank Bldg., Superior, improving Iron River-Ashland Junction Rd., Federal Aid Project 375 A, Bayfield Co., to Chantelois & Kaliher, Iron River, $54,091. Noted Nov. 13.

Ia., Indianola — Warren Co., improving 2.561 mi. Primary Project 176, 71,353 cu.yd. excav., etc., to Longerbone Bros., Des Moines, at $0.24 per cu.yd. earth, $1.50 per cu.yd. loose rock and $3.00 per cu.yd. solid rock; 16 culverts and concrete deck girder bridge, to H. E. Rhodes, Guthrie Center, $14,387, and foundation piling at $0.70 per ft.

Minnesota — State Hy. Dept., St. Paul, grading 3 mi. State Project 34-25, Federal Aid Project 317, between State Sanatorium and Walker, 130,000 cu.yd. excav., to A. F. Lehrer, Stillwater, $41,645.

Neb., Omaha—York Co., gravel surfacing 158,350 sq.yd. Federal Aid Project 56, to Allied Contractors, Inc., 1803 Douglas Bldg., at $0.2022 per sq.yd.

Kan., Concordia—Cloud Co., improving 4.2 mi. Federal Aid Project 200-B, grading, etc., to Campbell & Lachenmaier, Miltonvale, Kan., $24,064; culverts, to Western Bridge Co., Harrisonville, Mo., $12,303. Noted Oct. 3.

North Dakota — State Hy. Comn., Bismarck, and Comrs. Burke Co. (Bowbells), grading, etc., 6.179 mi. Federal Aid Project 258 A, highway north, south and west of Bowbells, to Schultz Bros., Bowbells. Engrs. est. $25,000. Noted Nov. 13.

North Dakota — State Hy. Comn., Bismarck, and Bencon Co. (Minnewaukeu), grading, culverts, and clay surfacing, etc., 3.408 cu.yd. Federal Aid Project 249 A, northeast of Fort Totten, to J. Coghlan, Rolla, $33,137. Noted Nov. 13.

South Dakota—State Hy. Dept., Pierre, to Cummings & Mistelske, Vergas, Minn., grading 4.81 mi. Federal Aid Project 139, Custer Co., 15,000 cu.yd. solid rock excav. $1.90 per cu.yd., 5,000 cu.yd. loose rock excav. $0.75, 25,481 cu.yd. common excav. $0.28, 245 lin.ft. log bridge $8, 2,880 sq.ft. end cribbing $0.25, total $43,796.

Missouri — State Hy. Dept., Jefferson City, grading and 16 ft. rock asphalt surfacing 4.161 mi. road from St. Charles east, St. Charles Co., to E. Watson, 5677 Watermann St., St. Louis, $19,289. Noted Oct. 2.

Mo., Kansas City—See "Sewers."

Mo., Neosho—Grading and paving 9,122 sq.yd. Main and Hamilton Sts., to H. Kost, Joplin, $21,993. Engrs. est. $25,000. Noted Nov. 6.

Tex., Marshall—Brick paving 10 streets, to Cocke & Turner, Marshall, $143,000. Engrs. est. $150,000. Noted Nov. 20.

Tex., Ft. Worth—Paving, etc. 9,000 sq.yd. Windsor Pl., Forrest Park Blvd. and 8th Ave., bitulithic on 5 in. concrete, to West Texas Constr. Co., Cotton Exch. Bldg., $3 per sq.yd. Engrs. est. $36,000.

Oklahoma—State Hy. Dept., Oklahoma City, grading and paving 5 mi. Federal Aid Project 140-A, Noble Co., 46,000 cu.yd. earth and 330 cu.yd. rock excav., 13,-000 cu.yd. borrow, 400 cu.yd. concrete, 53,000 sq.yd. concrete, 7,732 cu.yd. overhaul, 28,190 lb. reinforcing, and 5.0736 mi. Federal Aid Project 140-B, Noble Co., 53,671 sq.yd. concrete, 52,276 cu.yd. earth and 590 cu.yd. rock excav., 13,673 cu.yd. borrow, 27,000 lb. reinforcing, etc., to Gant Baker Co., 1116 West Main St., Oklahoma City, $128,253 and $164,831 respectively. Engrs. ests. $150,000 and $175,000 respectively.

Oklahoma — State Hy. Dept., Oklahoma City, grading 8.5 mi. Davis Wynnewood Rd., 30 ft., Federal Aid Project 92, Murray Co., 71,300 cu.yd. earth and 3,900 cu.yd. rock excav., to Maney Bros., Empire Bldg., Oklahoma City, $42,492. Engrs. est. $50,000.

Okla., Clinton — Grading and paving 7 blocks 7th, 9th, Bway. and Prairie Chief Sts., 5,860 sq.yd. asphaltic concrete, 3,800 ft. curb and gutter, 1,900 cu.yd. excav., to Western Paving Co., Tradesmens Bldg., Oklahoma City, $30,865. Engrs. est. $31,316.

Okla., Clinton—Grading, curbing and asphalt paving 5,300 sq.yd. Frisco Ave., to Western Paving Co., Tradesmens Bldg., $27,864. Engrs. est. $28,318. Noted Apr. 24.

Okla., Madill—Marshall Co., grading and gravel surfacing, etc., 53,080 sq.yd. Marshall Co. line Rd., to Johnson Bros., Ardmore, $28,862. Noted Nov. 13.

Okla., Ponca City—Grading and 2.5 in. brick on concrete paving 7,200 sq.yd. Union Ave., to R. H. Baldwin, Ponca City, $19,-362. Noted Aug. 28.

Okla., Wetumka—Brick paving 13,900 sq.yd. Dist. 2, to Park-Moran Constr. Co., Oklahoma City, $67,620. Noted Nov. 6.

Nevada—State Hy. Comn., Carson City, grading and gravel surfacing 16.02 mi. road between west and east slopes of Mormon Mesa, Federal Aid Project 52, Contr. 116, Clark 6-G, to Nevada Contg. Co., Fallon, $90,533.

Ariz., Yuma—W. C. Lefebvre, state engr., c/o Bd. Supervs. Yuma Co., 10,272 sq.yd. paving, beginning at 2nd Ave. and 1st St. to 4th Ave. and 8th St., here, to White & Miller, Box 447.

Washington—State Hy. Comn., Olympia, to Triangle Constr. Co., Realty Bldg., Spokane, clearing, grading, etc., 3 mi. State Rd. 8, near Washougal, Clarke Co., 18,970 cu.yd. earth excav. at $0.43 per cu.yd., 75,-870 cu.yd. loose rock excav. $0.43, 4,650 cu.yd. solid rock excav. $1.30, 106,750 sq.yd. waterbound overhaul $0.05, 21,600 steel reinforcing bars $0.08, total $79,122; to J. Warter, 831 South Anderson St., Tacoma, concrete paving 6.2 mi. State Rd. 5, Park Junction to Ashford, Pierce Co., 9,790 cu.yd. earth excav. $0.60, 890 lin.ft. reni.-con. gutter $1.00, 65,447 sq.yd. concrete $2.70, etc., total $194,571; to C. M. Payne, Realty Bldg., Spokane, 2.84 mi. State Rd. 11, Walter to Four Lakes, Spokane Co., 2,270 cu.yd. earth excav. $0.35, 510 cu.yd. subgrade $0.60, 30,406 sq.yd. concrete $2.34, total $74,789. Noted Oct. 30.

Streets and Roads (Continued)

Ore., Molalla—Eastern & Western Lumber Co., F. H. Ransom, genl. mgr., foot of North 21st St., Portland, grading 20 mi. railroad, here, to F. H. Clarkson, Portland.

Calif., Eureka—City Council improving portions of A and Spring Sts., to Merced-Fraser Co., Eureka, $21,303 and $53,553 respectively. Noted Nov. 27.

Calif., Los Angeles — Concrete paving, etc., Angeleus Mesa Dr., to G. H. Oswald, 366 East 58th St. Engrs. est. $83,006.

Calif., San Diego—A. H. Wright, city clk., improving Canon St., to G. R. Daley, 4430 Boundary St., $28,487; and Juniper and 31st Sts., to Griffith Co., 25 14th St., $30,809. Noted Nov. 20.

Calif., Santa Cruz—City Council grading, curbing and concrete paving 110,235 sq.ft. South Branciforte Ave., to Granite Constr. Co., Watsonville, $24,684. Noted Nov. 20.

Calif., Santa Cruz — Santa Cruz Co., grading and rock surfacing 4,975 cu.yd. roads in Soquel Dist. (Skyline Sect.), to J. L. Connor, Santa Cruz, $26,295. Noted Nov. 27.

Calif., Seal Beach—O. B. Padrick, city clk., asphaltic concrete paving Ocean Ave., to Griffith Co., Railway Bldg., Los Angeles, $44,925. Noted Oct. 16.

Ont., Toronto—York Twp., 40 Jarvis St., asphalt paving, etc., 6,000 sq.yd. Oakwood Ave., to Constructing & Paving Co., Confederation Life Bldg., $25,100.

Buildings—Industrial

PROPOSED WORK

Me., Oldtown—Factory—Wing & Engel Box Co. plans new factory. $70,000. Engineer and architect not selected.

Mass., Cambridge (Boston, P. O.)—Factory—E. H. Marston, 11 Beacon St., Boston, having plans prepared 2 story, brick and timber, Main St., here. $40,000 or more. Private plans.

Mass., Lynn—Repair and Service Garage—R. T. Pender, 41 Sutton St., having plans prepared by Sanborn & Weed, 38 Exchange St., 1 story, 50 x 160 ft., brick and tile repair and service garage, Washington St., $40,000.

N. Y., New York—Plant—Dept. Pub. Markets, E. O'Malley, comr., Municipal Bldg., having plans prepared 4 story, brick, steel and stone, refrigerating plant, plain foundation, Exterior St. $325,000. Private plans.

Ala., Birmingham—General Motors Co., Pontiac, Mich., purchased 190 x 200 ft. site, 28th St. and 6th Ave., and plans renewal plant, here.

O., Martins Ferry — Plant — City soon takes bids new combined light and water plant. $400,000. R. R. Schweitzer, Windsor Hotel, Wheeling, W. Va., consult. engr.

Mich., Pontiac — Factory — Jewett Radio & Phonograph Co., 79 South Saginaw St., having plans prepared by Fisher Bros., 24 West Huron St., 2 story and part basement, 50 x 210 ft., rein.-con., brick and steel, plain foundation, Archard Lake Ave.

Mich., Wyandotte—Factory—Regent Stove Co., having plans prepared by C. W. Brandt, 1114 Kresge Bldg., Detroit, 1 story, 60 x 300 ft. brick factory, plain foundation. $50,000.

Ill., Sterling—Shop—Charter Gas Engine Co., takes bids in spring, superstrueture of 1 story, 80 x 180 ft., rein.-con., brick and steel machine shop. F. D. Chase, 645 North Michigan Ave., Chicago, archt. and engr.

Wis., Egg Harbor—Cannery—Door Co. Fruit Growers Union, Sturgeon Bay, plans 3 story and basement, 50 x 90 ft., brick, plain foundation. $40,000. Engineer and architect not selected.

Wis., Menasha — Factory — Paper Roll Plug Co., Tayco St., having preliminary plans prepared by E. A. Wetlengel, 578 Pierce Ave., Appleton, 1 and 2 story, brick and timber, plain foundation. $40,000.

Wis., Milwaukee—Plant—E. Schroeder Co., archts. and engrs., 405 Bway., rejected bids Nov. 14, 2 story and basement, 50 x 150 ft., brick and timber, plain foundation, Clybourn St., for Mandel Engraving Co., 14 Wells St. $60,000. Will readvertise. Noted Nov. 13.

Wis., Onalaska — Storage Warehouse — Onalaska Pickle & Canning Co., c/o E. J. Johnson, mgr., had plans prepared by O. J. and R. E. Sorenson, 225 South 8th St., La Crosse, 2 story, 68 x 100 ft., brick storage warehouse. $45,000. Plain foundation being built by day labor.

Wis., Waupun — Factory — Teeple Shoe Co., c/o H. M. Larsen, mgr., had plans prepared by F. Stepnoski, Forest Ave., Fond du Lac, 2 story and basement, 40 x 74 ft., brick and timber addition; plain foundation awarded to J. P. Cullen Co., North Water St., Janesville. $40,000. Noted Nov. 13.

Mo., St. Joseph—Plant—Defeated $300,000 bonds electric light plant. W. K. Seitz, City Hall, engr.

Tex., Jacksonville—Mill—G. F. Winfield, chn. L. Morris College, making plans textile mill, dormitory and cafeteria. $750,000. Engineer and architect not announced.

Okla., Modill—Plant—City making preliminary plans new electric light plant using oil engine equipment. $50,000. K. B. Carson, Madill, engr.

Wash., Seattle—Plant—Barton Packing Co., plans large packing plant, on former Erickson ship plant site. $500,000.

Calif., Chico — Laundry—French-Amer. Laundry, 741 Bway., having plans prepared by Cole & Brouchard, Waterland-Brealsuer Bldg., 1 story, 60 x 80 ft. steam laundry, rein.-con.

Calif., Fresno — Plant — Coco Cola Bottling & Distributing Co., R. F. Harbers, mgr., having plans prepared 2 story, brick and concrete annex. $40,000. Private plans.

Calif., Long Beach—Plant—Peoples Ice & Cold Storage Co., Alamitos, had plans prepared by Siebert & Hedden, Brock Bldg., 2 story and basement, 53 x 115 ft., brick, East Anaheim St. $40,000.

Calif., Los Angeles — Factory — Amer. Mfg. Co., 1334 West 58th St., had plans prepared 2 story, 35 x 50 ft., timber and concrete annex, West 50th St.

Calif., Los Angeles—Factory—Hudson Beauty Furniture Co., 1125 Sentous St., having plans prepared 1 story, 50 x 150 ft., corrugated iron and timber, East 31st St. Private plans.

Calif., Los Angeles—Factory and Shop—Elk Mfg. Co., 5012 South Main St., having plans prepared 1 story, 75 x 100 ft., brick and concrete. Private plans.

Calif., Los Angeles — Factory — Pacific Meter Works, c/o M. K. Miller, mgr., 2136 Atlantic St., plans 2 story, 50 x 140 ft., rein.-con., Atlantic St. Engineer and architect not selected.

Calif., Pittsburg — Laundry — Tri-Cities Laundry Service, J. M. Burroughs, pres., 976 28th St., Oakland, plans laundry. $50,000. Engineer and architect ot selected.

Calif., Pomona—Plant—Richfield Oil Co., Bartlett Bldg., Los Angeles, having plans prepared for oil and gasoline storage and distributing plant. $75,000. Private plans.

Calif., San Francisco — Factory — California Glue, Soap & Tallow Co., Fairfax and Rankin Sts., had plans prepared by O'Brien Bros., Inc., 315 Montgomery St., 2 story, rein.-con., 12th St. near Folsom St. $100,000.

Ont., Ft. William — Mill — Great Lakes Paper Co., Ft. William, plans new mill, near here. $2,000,000. A. H. Black, pres.

Ont., Toronto — Gas Retort Building — Consumers Gas Co., Adelaide St. E., plans vertical gas retort, and concrete, brick and steel gas retort building. $750,000. Private plans.

BIDS DESIRED

Mass., Norwood—Shop, etc.—Dec. 8, by Bird & Sons, East Walpole, 2 and 3 story and basement paint shop, rein.-con., $150,000; 1 story oil boiler room, rein.-con. and brick, $40,000; also concrete and structural steel railroad platform, here. Monks & Johnson, 99 Chauncy St., Boston, archts. Noted Nov. 27.

Tex., Mineola.— Factory — H. Carpenter, archt., c/o Mineola Ice, Light & Water Co., (owners), taking bids 1 story, 50 x 120 ft., brick and steel, addition. $43,000.

Calif., Sacramento — Bakery — L. F. Starks, archt., Ochsner Bldg., taking bids 2 story, rein.-con., 15th and R Sts., for Perfection Bread Co., c/o architect. $100,000. Noted Aug. 21.

CONTRACTS AWARDED

Mass., Boston—Manufacturing—Harbor Trust Co., Old South Bldg., 13 story and basement, 135 x 250 ft., rein.-con., brick, stone and steel, wood pile foundation, 460-470 Atlantic Ave., to Fred T. Ley Co., Inc. 230 Boylston St. Archts. est. $2,000,000. Noted Sept. 18.

Mass., Watertown—Factory—M. S. Kondazian, 112 Shawmut Ave., 2 story and basement, brick and steel, to Patrick Rich Co., 3 Tremont Row, Boston. Archts. est. $75,000.

Conn., Middletown — Factory — Portland Silk Co., 3 story and basement, 65 x 170 ft., brick and steel, Pease St., to H. Wales Lines Co., Meriden. Archts. est. $130,000.

Pa., Ambridge—Factory—Central Tube Co., 1st Natl. Bank Bldg., Pittsburgh, general contract three 1 story buildings, 115 x 225 ft., 100 x 450 ft., and 78 x 200 ft., steel and iron, at Economy near here, to A. Laughlin & Co., First Natl. Bank Bldg., Pittsburgh.

Pa., Clearfield — Plant — Gearhart Knitting Machine Co., 4 story, 32 x 82 ft., plant, to Dresser, Minton & Schobell Co., Pittsburgh.

Pa., Etna (Pittsburgh P. O.)—Factory—Ball Chemical Co., Fulton Bldg., Pittsburgh, general contract 2 story and basement factory, near here, to Inland Constr. Co., 5642 Penn Ave., Pittsburgh. Archts. est. $40,000.

Pa., Fallston (New Brighton P. O.)—Storage — Townsend Co., New Brighton, general contract 1 story, 120 x 230 ft., storage building, here, to McClintic Marshal Co., Oliver Bldg., Pittsburgh.

Pa., Scranton—Plant—Scranton Times, Spruce St., contract for engineering and construction 4 story plant, to Dwight P. Robinson & Co., Inc., 125 East 46th St., New York City. $500,000.

La., Campti—Mill—Frost-Johnson Lumber Co., saw mill to Filer & Stowell, Beecher St., Milwaukee, Wis. Archts. est. $50,000.

La., New Orleans — Plant — Phoenix Portland Cement Co., Nazareth, Pa., will build (1st unit) plant, 2,500 bbl. daily capacity, on 15 acre site on Industrial Canal at turning basin, here, by day labor under supervision of R. J. Hawn, ch. engr., c/o owner. Private plans.

O., Cleveland — Electric Sub-Station — Cleveland Ry. Co., G. L. Radcliff, vice-pres., Hanna Bldg., 1 story 40 x 60 ft., brick, steel and concrete, Central Ave., to W. L. Thompson & Son Co., Chester-Twelfth Bldg. Archts. est. $50,000. Noted Nov. 13.

O., Cleveland—Factory—Cleveland Twist Drill Co., East 49th St. and Lakeside Ave., 1, 2 and 4 story, 38 x 71 ft., 38 x 64 ft., 18 x 24 ft., and 18 x 38 ft., brick and steel, East 49th St., and Lakeside Ave., to Boldt Constr. Co., 1967 East 70th St. Archts. est. $50,000. Noted Nov. 13.

O., Cleveland—Factory—Klein Auto Body Co., B. Klein, pres., 5707 Storer Ave., 1 story and basement, 50 x 140 ft., brick and steel, West 25th St., to J. Pekarek, 3503 West 50th St. Archts. est. $40,000.

Ill., Rock Island—Roundhouse—Chicago, Rock Island & Pacific R.R. Co., 179 West Jackson Blvd., 1 story, brick and concrete addition, to Priester Constr. Co., 1006 Kahl Bldg., Davenport, Ia. Archts. est. $40,000.

Wis., Appleton — Creamery — Outagamie Milk and Produce Co., c/o W. Wilharms, 738 Superior St., 1 story, 62 x 104 ft., brick, plain foundation, Lafayette St., to Fraser Lumber & Mfg. Co., Superior and Perry Sts. Archts. est. $40,000.

Wis., Milwaukee — Plant — Universal Printing Co., 1455 Green Bay Ave., 2 story, 47 x 110 ft., brick and timber, plain foundation, Green Bay Ave., to Wasserman & Helden, 1476 6th St. Archts. est. $40,000.

Wis., Milwaukee — Storage — Kieckhefer Container Co., 17th and Canal Sts., 1½ story, 102 x 456 ft., steel and concrete, Canal St., to Milwaukee Bridge Co., 1400 34th St.; concrete, to H. Schmitt & Son, 430 Farwell Ave. Archts. est. $150,000.

Ia., Waterloo — Storage House — Cement Mchy. Co. 1 story, 40 x 108 ft. casting storage house, to Currie Constr. Co., 180 West 1st St. Archts. est. $45,000.

Mo., St. Joseph—Plant—M. K. Goetz Brewing Co., 1 and 3 story, 65 x 120 ft. cold storage plant, rein.-con., brick and steel, to E. H. Lawhon Constr. Co., 905 Edmond St., approximately $600,000. Noted Oct. 23.

Calif., Garvanza—Sub-Station—Southern California Telephone Co., 740 South Olive St., Los Angeles, steel contract for 3 story (ultimately 7 story), phone sub-station, brick, concrete and steel, to Llewlyn Iron Wks., 1200 North Main St., Los Angeles, $45,500.

Calif., Huntington Park — Factory — Roberts-Cohen Furniture Mfg. Co., 925 West Irvington St., will build 2 story, 50,000 sq.ft. floor space, timber addition, by day labor. L. A. Smith, 301 South Western Ave., archt.

Calif., Lodi—Shops—Lodi Union High School Dist., 1 story, brick and steel manual training shops, to Frederickson & Shannon, Peoples Bank Bldg., Stockton, $44,750 (revised bids).

Calif., Los Angeles—Factory—California Compressed Gas Co., 2311 East 52nd St., 1 story, 50 x 100 ft. factory, Fickett St., to Hochensmith Eng. & Constr. Co., 2732 Glendale Blvd.

Calif., Los Angeles—Factory—Koehl & Son, 652 South Anderson St., 2 story, 40 x 90 ft., brick annex, to A. Laisy & Co., Grant Bldg.

Calif., Los Angeles—Factory—Philadelphia Quartz Co. of California, 3210 East 26th St., 1 story, 50 x 60 ft., East 26th

Buildings—Industrial (Continued)

St., to Austin Co. of California, 777 East Washington St.

Calif., Los Angeles — Foundry — Sunset Sanitary Mfg. Co., 1 story and mezzanine, 130 x 140 ft., steel and corrugated iron, East 62nd St., to Austin Co. of California, 777 East Washington St., approximately $65,000.

Calif., Pomona—Factory—Natl. Vacant Seat Indicator Co., 1 story, hollow tile, to Wesco Constr. Co., Marsh-Strong Bldg., Los Angeles, $42,000.

Calif., San Francisco—Factory—Alcone Knitting Mills, 447 Washington St., general contract 5 story, rein.-con., Mission St., to Cahill Bros., Sharon Bldg., $115,785. Noted Nov. 20.

Ont., London—Factory—Richards Wilcox Canadian Co., extending factory, to J. C. Gray Constr. Co., 34 Bank of Toronto Bldg. $50,000.

Buildings—Commercial

PROPOSED WORK

Me., Rumford — Hospital, etc. — Community Hospital Assn., having sketches made by Rogers & Dion, 142 Berkley St., Boston, Mass., archts., brick and stone hospital, nurses home and power house. To exceed $150,000.

Mass., Boston—Club—University Club, J. W. Powell, pres., 24 Federal St., having revised plans prepared by Monks & Johnson, 99 Chauncy St., 4 and 6 story and basement, 25,000 sq.ft. floor space, brick and limestone, Stuart St. and Trinity Pl. $1,750,000. Noted June 19.

Mass., Boston—Office—Loring, Coolidge, Noble & Boyd, 40 State St., Boston, having sketches made by C. G. Loring, 7 Water St., 8 story and basement, brick and steel, Hanover and Court Sts. $500,000.

Mass., Boston — Parish — Emmanuel Church, 15 Newbury St., having sketches made by Allen & Collens, 75 Newbury St., 3 story parish house. $150,000.

Mass., Boston—Theatre—B. F. Keiths Interests, 545 Washington St., Boston, and 1564 Bway., New York City, plan theatre, Mason St. $2,000,000. Engineer and architect not selected.

Mass., Boston—Theatre—B. F. Keith's Theatre, 545 Washington St., plans remodeling theatre. T. B. Lamb, 644 8th Ave., New York City, archt.

Mass., Cambridge (Boston, P. O.)—Apartment—S. Lebowitch, 27 School St., Boston, plans 6 story and basement apartment, on site of Old Beck Hall, Massachusetts Ave. and Harvard St. To exceed $500,000. Engineer and architect not selected.

Mass., Chelmsford—School—School Bd., having sketches made by H. F. Graves, 38 Middlesex St., Lowell, 2 story, brick school. $150,000.

Mass., Dorchester (Boston P. O.)—Hospital—Pub. Buildings Dept., City Hall, Boston, plans Chronic Hospital, Parker Hill, here. $1,000,000. Engineer and architect not selected.

Mass., Grove Hall (Boston, P. O.)—Theatre, Store and Office—C. T. Young, c/o O'Meara & Lynch, 636 Warren St., Roxbury, having plans prepared by Tuck & Co., 636 Warren St., Roxbury, 3 story and basement, 130 x 240 ft. theatre, store and office building, here. $300,000.

Mass., Hyannis—Fire Station—Hyannis Fire Dist. having plans prepared by L. F. Paine, Hyannis, 2 story and basement, fireproof fire station. $150,000.

Mass., Jamaica Plain (Boston P. O.)—Apartment—E. W. Foss, 11 Revere St., having plans prepared by E. B. Stratton, 25 Arch St., Boston, 8 story and basement, brick and steel apartment block. $250,000.

Mass., Lynn—Hospital—Lynn Hospital, H. M. Hoague, pres., 528 Broad St., plans hospital. To exceed $150,000. Engineer and architect not selected.

Mass., Malden—Apartment Hotel—Syndicate, c/o Sutherland & Sutherland, archts., 77 Summer St., Boston, having sketches made 3 story and basement, 76 x 116 ft., brick, Pleasant St. $150,000.

Mass., Newton—Hospital—New England Peabody Home for Crippled Children, Newton Center, plans Orthopedic Surgery Hospital for treatment of infantile paralysis, etc., in Oak Hill, Newton Center, To exceed $150,000. Engineer and architect not selected.

Mass., North Attleboro—School—School Com. of Attleboro plans rebuilding J. D. Pierce School, Elm St., recently destroyed by fire. $150,000. Engineer and architect not selected.

Mass., Northampton—Apartment—E. A. Stearns, 1387 Main St., Worcester, plans apartment. To exceed $150,000. Engineer and architect not selected.

Mass., Norwood—High School—Bd. Selectmen, rejected bids 2 story and basement, 58 x 227 ft., brick and stone, plain foundation, Nichols St. $300,000. W. G. Upham, Bigelow Bldg., archt. Noted Nov. 27.

Mass., Springfield—Arena and Garage—New Corporation c/o Smith & Annable, archts., 145 State St., having plans prepared 2 story rein.-con., brick and steel, 2,500 seating capacity.

Mass., Taunton—School—City, at Mayors office, plans school. $250,000.

Mass., West Newton (Ind. Br. of Boston)—Gymnasium and Theatre—Newton Catholic Club, G. P. Brophy, pres., Newton, raising $150,000 for 2 and 3 story gymnasium and theatre addition to club house, here. Engineer and architect not selected.

Mass., Wrentham—Church—St. Mary's Parish, W. J. McCarthy, pastor, Center St., Foxboro, raising funds for church, here. To exceed $150,000. Engineer and architect not selected.

Conn., Hartford—Apartment—T. Colletta & Son, 647 Main St., having plans prepared by Dunkelberger & Gelman, 721 Main St., 3 story and basement, 71 x 138 ft., brick and limestone, 90 Vernon St. $200,000.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York City, had plans prepared by W. H. Gompert, Flatbush Ave., extension and Concord St., P. S. 62, 4 story, brick, steel and stone, plain foundation, Williams St., here. $450,000.

N. Y., Buffalo—Apartment—C. H. Fredrichson, c/o Boyce Apartments, Inc., 507 Niagara St., plans rein.-con., brick and steel, Niagara St. $400,000.

N. Y., Buffalo—Apartment—M. Swerdloff, Prudential Bldg., plans 114 x 150, brick and steel, Delaware St. $400,000.

N. Y., Buffalo—Store, Office and Garage—R. Potter, Ellicot Sq. Bldg., plans remodeling present Hamlin Building, rein.-con. and brick, into store, office and garage building, Main St. $300,000.

N. Y., Kenmore — High School — St. Josephs Collegiate, 1238 Main St., plans high school. $700,000.

N. Y., Kenmore—Theatre—Village Taxpayers Assn., plan rein.-con. and steel, Delaware Ave. $300,000. H. Aldrich, pres.

N. Y., New York — High School — Bd. Educ., 500 Park Ave., soon takes bids Theodore Roosevelt High School, brick, steel and stone, plain foundation, Fordham Rd. $3,500,000. W. H. Gompert, Flatbush Ave. extension and Concord St., Brooklyn, archt. and engr. Noted July 31.

N. Y., New York—Warehouse—Underwriters Salvage Co., 45 John St., plans 6 story, 85 x 150 ft., rein.-con., brick and steel, plain foundation, 539 Broome St. $250,000. Engineer and architect not selected.

Pa., Carlisle—Theatre and Hotel—Belibas & Hermawell, William Penn Hotel, Harrisburg, having plans prepared by C. G Lappley, Cotter-Ebner Bldg., Harrisburg, 3 story and basement, 60 x 160 ft., brick and steel, plain foundation. $200,000.

Pa., Greensburg — High School — Bd. Educ. having plans prepared by M. E. Kressley, Commonwealth Bldg., 4 story and basement with 2 wings, 145 x 290 ft., brick, tile and steel. $600,000.

Pa., McKeesport—Church—First Methodist Episcopal Church, Germantown and High Sts., having plans prepared by C. W. Bolton & Son, Phila., rebuilding 1 and 2 story and basement church, destroyed by fire in spring. $300,000.

Pa., Phila.—Storage—Atlas Storage Co., c/o W. E. Sweeting, 37 and Market Sts., having plans prepared by G. T. Kingsley, 109 North Dearborn St., Chicago, 8 story and basement, t 60 x 200 ft., rein.-con., plain foundation, 40th and Walnut Sts. $400,000.

Pa., Pittsburgh — Hospital — Belvedere Hospital, 541 Paulson Ave., having sketches made by C. J. and C. Rieger, 406 Citizens Bank Bldg., 1 story top addition, and 3 story rear addition, 30 x 60 ft., Paulson Ave. $150,000.

Md., Baltimore—School—St. Anthony's Roman Catholic Church, J. H. Knell, pastor, Franklin Ave. and Belair Rd., having plans prepared by F. J. Gomes, 414 St. Paul St., 3 story and basement, 110 x 200 ft., brick and plain foundation, Franklin Ave. and Belair Rd. $200,000.

N. C., Asheville—Church—First Baptist Church plans new church, Oak and Woodfin Sts. $400,000. R. J. Bateman, pastor. Engineer and architect not announced.

N. C., Roaring Gap—Hotel—See "Unclassified."

N. C., Rutherfordton — High School — Rutherford Co. plans 3 story and basement, brick high school. $200,000. W. R. Hill, supt. Engineer and architect not announced.

Ala., Birmingham—Hotel—Newton Investment Co. plans 6 story (ultimately 12 story), 120 room, rein.-con. and brick hotel, 2nd Ave. and 26th St. $300,000. H. N. Maloney, 1618 11th Ave., pres.

Fla., Jacksonville — Hotel — Applebrook Co., D. P. Myerson, Jr., pres., having plans prepared by R. A. Benjamine, Bisbee Bldg., 12 story, 107 x 128 ft., 27 to 45 West Adams St. $1,250,000.

Fla., Tampa—Hotel—E. W. Hensley, 205 Memorial Hy., and A. E. F. Anderson, Tampa, plan 140 x 141 ft. hotel, Hyde Park Ave. and Platt St. $800,000.

Ala., Birmingham—Dancing Academy—C. H. Miles having plans prepared by J. C. Halstead, Chamber of Commerce Bldg., and soon takes bids 2 story, 75 x 200 ft., concrete, 21st St. $150,000.

La., Lafayette—Schools—Election Dec. 17, $750,000 bonds for schools.

Tenn., Nashville — College — Fisk University, 7th Ave. N., F. A. McKenzie, pres., having plans prepared by H. C. Hibbs, 4th and 1st Natl. Bank Bldg., 4 recitation halls, 2 dormitories, gymnasium, administration building, etc., on campus. $2,000,000. Noted Nov. 27.

O., Cleveland — Clubhouse — Cleveland Club, P. H. McCabe, 310 Erie Bldg., having plans prepared by Meade & Hamilton, Bulkley Bldg., 12 story, 150 x 200 ft., brick, steel and concrete, Carnegie and Wilbur Aves. $1,500,000.

O., Lakewood (Cleveland, P. O.)—Community Center—Lakewood Republican Club Building Co., J. C. Reasner, pres., Society for Savings Bldg., Cleveland, plans 3 story and basement, brick, steel and concrete, Detroit Ave., here. $250,000. Engineer and architect not selected.

Mich., Detroit—Hotel—B. Braver, 1108 Lafayette Bldg., having plans prepared by M. H. Finkel, 1333 Book Bldg., 8 story and basement, 75 x 140 ft., rein.-con., brick and steel, plain foundation, Canfield and Woodward Aves. $200,000.

Mich., Ferndale—School—Bd. Educ. having preliminary plans prepared by H. T. Keys, 435 Murphy Bldg., Detroit, 2 story and basement, 12 room, rein.-con., brick and steel, plain foundation, Woodward Ave. $175,000.

Mich., Menominee—Store and Theatre—D. Hubert, archt., 801 Sheridan Rd., preparing plans 4 story and basement, 150 x 152 ft., brick and concrete, plain foundation. $375,000. Owner's name withheld.

Wis., De Pere—High School—School Dist. No. 1, c/o E. L. Wilson, secy., had plans prepared by C. C. Reynolds, Dempsey Blk., Manitowoc, 1 and 2 story and basement, 77 x 130 ft., brick and tile addition, plain foundation. $160,000.

Wis., Milwaukee—Community—Abraham Lincoln House, 601 9th St., plans 3 story and basement, brick and concrete, plain foundation. $150,000. Engineer and architect not selected.

Wis., Winnebago — Hospital — State Bd. Control, c/o J. J. Hanan, secy., Madison, having plans prepared by A. Peabody, Madison, 2 story and basement, rein.-con., brick and steel, plain foundation. $150,000. Noted Oct. 2.

Minn., Minneapolis—Schools—Bd. Educ., 305 City Hall, plans during 1925, two junior high schools, each 3 story and basement, one at 36th Ave. S. and 41st St., and other near downtown district, each about $425,000; three grade school additions, each 2 story and basement, one on Spruce Pl. and 14th St., one on Penn and 10th Aves., and other on 44th and Girard Aves., each $127,500, all brick and stone. Bureau of Buildings, Div. of Design & Constr., 245 9th Ave. N., archts.

Kan., Atchison—Monastery—St. Benedicts Abbey having preliminary plans prepared by E. Brielmaier & Sons, 432 Bway., Milwaukee, Wis., 3 story and basement, brick and concrete, plain foundation. $500,000.

Kan., Dodge City—Hospital—Sisters of St. Joseph having plans prepared by Lorentz Schmidt & Co., 516 4th Natl. Bank Bldg., Wichita, 3 story and basement, rein.-con., brick, steel, hollow tile and stucco. $150,000.

Kan., Ft. Scott—Memorial—Voted $185,000 bonds for memorial building. Engineer and architect not selected. C. Triffle, city clk.

Buildings—Commercial (Continued)

Kan., Topeka—Home—Mason College, (Methodist Episcopal Congregation), having plans prepared by T. W. Williamson & Co., 312 Central Natl. Bank Bldg., 3 story and basement, with 42 x 88 ft., and 42 x 152 wing addition, rein.-con., brick and stone. $150,000.

Neb., Omaha—Church—Dundee Presbyterian Church, 50th St. and Underwood Ave., takes bids in spring 2 story, approximately 150 x 160 ft., rein.-con., brick and steel, plain foundation, Happy Hollow Blvd. and 55th St. $320,000. C. W. Steinbaugh, Brandeis Theatre Bldg., archt. Noted Mar. 15.

Mo., Columbia—Auditorium, etc.—University of Missouri, c/o S. D. Brooks, making preliminary plans rein.-con., brick and native stone auditorium and assembly building. $1,000,000. Engineer and architect not named.

Mo., Columbia—Student Union Building—Northern Presbyterian Synod, Springfield, having preliminary plans prepared student center building, 3 story and basement, rein.-con., brick and native stone. $150,000.

Mo., Greenville—Courthouse—Wayne Co. rejected bids 3 story and basement, brick, stone and concrete courthouse. M. Laubis, Poplar Bluff, archt. Noted Oct. 23.

Mo., Jefferson City — College — Lincoln University plans college buildings. To exceed $150,000. N. B. Young, pres.

Mo., Kansas City—Church—Sixth Church of Christ Science, 66th St. and Wornell Rd., having plans prepared by C. A. Smith, 800 Finance Bldg., and soon takes bids 2 story and basement, 106 x 111 ft., native and cut stone. $225,000.

Mo., Kansas City—Music Hall—Kansas City Music Teachers Assn., 800 Linwood Bldg., plans music hall. To exceed $150,000. Engineer and architect not selected.

Mo., St. Joseph—Isolation—City having plans prepared by E. R. Meier, Lincoln Bldg., isolation building. $150,000.

Mo., St. Louis—Hotel—Hotel Jefferson Co., 12th and Locust Blvds., having revised plans prepared by T. P. Barnett & Co., Arcade Bldg., 13 story and basement, rein.-con., brick and stone, terra cotta and steel addition. $2,500,000.

Mo., St. Louis—Office—Roxana Petroleum Corp., Arcade Bldg., having preliminary plans prepared by Jamieson & Spearl, Arcade Bldg., 9 story and basement, 102 x 196 ft., rein.-con., brick, stone and steel, Locust and 13th Sts. $1,000,000.

Mo., Springfield—Dormitory, etc.—Drury College, B. S. Lee, chn. board, soon takes bids 2 and 3 story, rein.-con., brick and stone, dormitory, library and music conservatory buildings. $300,000. Noted June 12.

Ark., Little Rock — Hotel — Little Rock Hotel Co., A. D. Gates pres., having plans prepared by G. D. Barnett, Barnett, Hayes and Barnett, Century Bldg., St. Louis, Mo., 12 story, rein.-con. and brick, 6th and Louisiana Sts. $1,000,000.

Ark., Little Rock—Office—Union Trust Co. (trustee for owner), 301 West 2nd St., having preliminary plans prepared 5 story, 140 x 150 ft., rein.-con., brick, steel and stone, 2nd St. and Bway. Private plans. M. E. Dunaway, Southern Trust Bldg., interested.

Tex., San Antonio—Home—Order of Odd Fellows having plans prepared by H. T. Phelps, Hicks Bldg., 7 story and part basement, rein.-con., part brick and stone, plain foundation, Crockett and Nacogdoches Sts., also remodeling Crockett Hotel adjoining same. $170,000.

Tex., Waco—Dormitory—Baylor University plans womens dormitory. $350,000. Engineer and architect not announced.

Okla., Bartlesville — High School — Bd. Educ. having plans prepared by J. H. Felt & Co., 800 Grand Avenue Temple Bldg., Kansas City, Mo., 3 story and basement, 120 x 180 ft., rein.-con., brick and stone. $290,000.

Okla., Sapulpa — Civic and American Legion—Election Dec. 16, $150,000 bonds for 2 story and basement, 100 x 140 ft. building. F. E. Lawrence, Sapulpa, engr. Noted Nov. 6.

Wash., Seattle—Apartment—H. Bittman, archt., Securities Bldg., takes bids about Jan. 1, 3 story, 80 x 108 ft., brick and terra cotta, 5th and Vine Sts., for Mrs. H. Bittman, Securities Bldg. $160,000.

Wash., Tacoma—Apartment—O. V. Volk, Tacoma, plans 7 story, 75 x 130 ft., rein.-con., brick and cut stone, South 3rd and Tacoma Aves. $250,000.

Ore., Portland—Temple—Masonic Temple Building Assn., Portland, having plans prepared by Sutton & Whitney, Lewis Bldg., and takes bids in spring, 5 story, 100 x 200 ft., 10th and Main Sts. $1,000,000.

Calif., Bakersfield — Bank — Bakersfield Trust & Savings Bank, having plans prepared by A. G. Bailey, Hillstreet Bldg., Los Angeles, 1 story and basement, 50 x 100 ft., brick bank.

Calif., Corona—Warehouse and Office—Lemon Products Co., c/o R. H. Orr, archt., Corporation Bldg., Los Angeles, had plans prepared 3 story, 40 x 100 ft., rein.-con. warehouse and office building.

Calif., Eagle Rock—Church—Methodist Church of Eagle Rock, having plans prepared by Lindley & Selkirk, Amer. Bank Bldg., Los Angeles, church on 135 x 325 ft. site, Hermosa Ave.

Calif., Fullerton—School Gymnasium—Fullerton Union High School Dist., having plans prepared by C. M. Winslow, Van Nuys Bldg., Los Angeles, 1 story, 90 x 200 ft., brick and steel. To exceed $150,000.

Calif., Hollywood—Hotel—Business Dist. Development Co., Merchants Natl. Bank Bldg., had plans prepared by C. F. Whittlesser, 6533 Hollywood Blvd., 6 story, 46 x 136 ft., steel, plain foundation, Cahuenga St. and Wilson Ave. $400,000.

Calif., Long Beach—High School—Bd. Educ. having plans prepared by J. C. Austin & F. M. Ashley, 1119 Detwiler Bldg., Los Angeles, group of 2 story and basement buildings, cast stone and stucco, plain foundation. $600,000.

Calif., Los Angeles—Club—South Los Angeles Athletic Club C. H. Gail, pres., 740 East 6th St., having plans prepared by E. P. and C. E. Norberg, Union Bank Bldg., 2 and 3 story and basement, 150 x 190 ft., rein.-con. club. $300,000 or more.

Calif., Los Angeles—High School—City having plans prepared by J. C. Austin & F. M. Ashley, 1119 Detwiler Bldg., 2 story, brick, plain foundation, 17th St. $345,000.

Calif., Los Angeles—Hotel and Store—Business Dist. Development Co., Merchants Natl. Bank Bldg., had plans prepared by C. F. Whittlesey, 6533 Hollywood Blvd., 6 story and basement, 50 x 135 ft., Class A, Wilcox Ave.

Calif., Los Angeles—Schools—City had plans prepared by P. C. Pape, Central Bldg., 2 story, 120 x 125 ft., brick annex to 97th St. school, $150,000; also having plans prepared by J. C. Austin and F. M. Ashley, 1119 Detwiler Bldg., George Washington Junior High School, brick, $325,000.

Calif., Los Angeles—School—City having plans prepared by R. H. Holbrook, 6509 Hollywood Blvd., 17 classroom and auditorium, rein.-con. and brick, Marianna Ave.

Calif., Los Angeles—Store and Office—Los Angeles Investment Co., c/o Walker & Eisen, archts., Great Republic Bldg., having preliminary plans prepared 12 story and basement, approximately 85 x 140 ft., rein.-con., 10th and Bway. Sts.

Calif., Los Angeles—Warehouse—Klein-Norton Co., 253 South Los Angeles St., having plans prepared by Morgan, Walls & Clements, Van Nuys Bldg., approximately 12 story, 50 x 150 ft., rein.-con., 11th and Los Angeles Sts.

Calif., Madison—Garage—Madison Motor Car Co., F. Wooton, pres., 325 West Gorham St., having plans prepared 3 story, 60 x 210 ft., brick, rein.-con. and steel, plain foundation, Gorham St. $160,000. Private plans.

Calif., Oceanside — Bank — First Natl. Bank, having plans prepared by A. G. Bailey, Hillstreet Bldg., Los Angeles, 2 story, 50 x 125 ft., brick and concrete bank.

Calif., Oakland—Warehouse—Lyon Fireproof Warehouses, 3400 Bway., plans fireproof warehouse, in vicinity of 11th St. and 29th Ave. To exceed $150,000. Engineer and architect not selected.

Calif., Sacramento—Apartments—J. C. Peterson, archt., Peoples Bank Bldg, preparing preliminary plans three 3 story and basement, brick apartment buildings. $175,000. Owner's name withheld.

Calif., Sacramento — Depot — Southern Pacific Co., 65 Market St., San Francisco, had plans prepared by Bliss & Faville, Balboa Bldg., 3 story, 128 x 370 ft. rein.-con., steel and brick, North I St. between 3rd and 5th Sts. $1,000,000 or more.

Calif., Sacramento — Terminal — Sacramento Produce Terminal, c/o Dean & Dean, archt., City Library Bldg., had plans prepared two 1 story, rein.-con., brick and steel buildings, 16th and North C Sts. $150,000.

Calif., San Bernardino—Storage—H. C. Shaw, 214 High St., plans approximately 3 story, 25 x 150 ft., probably rein.-con., D St. $150,000.

Calif., San Diego—Bank, Store and Office—J. D. Spreckles, Spreckles Bldg., had plans prepared by J. and D. Parkinson, Title Insurance Bldg., 13 story and basement, 100 x 200 ft., steel, Bway.

Calif., San Francisco — Apartment — E. Fritz, c/o E. E. Young, archt., 2002 California St., having plans prepared 8 story and basement, 110 x 150 ft., brick, Mason and Sacramento Sts.

Calif., San Francisco—Apartment—S. L. Hyman, archt., 68 Post St., preparing plans 8 story and basement, 50 x 130 ft., brick and concrete, Jackson St. near Laguna St. $150,000 or more. Owner's name withheld.

Calif., San Jose — Exchange — Pacific Telephone & Telegraph Co., 333 Grant Ave., San Francisco, having plans prepared 6 story, fireproof, Market St. $150,000 or more. Private plans.

Calif., Santa Barbara—Store and Office—J. Y. Parker, Paterna and Lausen Sts., plans 2 story and basement, 115 x 180 ft., rein.-con. and brick.

Calif., Sebastopol—School—Analy Union High School Dist., having preliminary plans prepared by W. H. Weeks, 369 Pine St., San Francisco, rein.-con. group of high school buildings. $300,000.

Calif., Wilmington—School—City having plans prepared by J. C. Austin & F. M. Ashley, 1119 Detwiler Bldg., Los Angeles, group of 2 story, brick buildings, plain foundation. $385,000.

Calif., Wilmington—High School—Wilmington High School Dist., having plans prepared by J. C. Austin & F. M. Ashley, Detwiler Bldg., Los Angeles, brick high school. $375,000.

Calif., Pasadena—Club—Y. M. C. A. having preliminary plans prepared by Marston, Van Pelt & Maybury, 25 South Euclid Ave., fireproof additions and general reconstructing club, in Civic Center. $150,000 or more.

Que., Sherbrooke—Hotel—Leyland Hotel System, Rochester, N. Y., having plans prepared by H. L. Stevens & Co., 522 5th Ave., New York City, 6 story, 130 room hotel, Wellington St. E., here. $750,000.

Que., Sherbrooke—Hospital—St. Vincent de Paul Hospital, had new plans prepared by J. W. Gregoire, 86 Wellington St. N., 4 story, 48 x 120 ft. and 48 x 130 ft. addition. $400,000.

Ont., Collingwood—Collegiate—Bd. Educ., S. Farley, chn. plans 2 story and basement, 10 room, rein.-con., brick and steel, plain foundation. $150,000. Engineer and architect not selected.

Ont., Port Arthur — Church — St. Johns Church, E. Montizambert, pastor, plans 1 story and basement, rein.-con., brick and timber, plain foundation. $250,000. Engineer and architect not selected.

Ont., Toronto—Art Gallery—Art Gallery of Toronto, Grange Rd., having plans prepared by Darling & Pearson, 2 Leader Lane, 2 story and basement, rein.-con., brick and steel, plain foundation. $250,000. Noted Nov. 20.

Mexico, Tia Juana — Clubhouse — California Field Club, H. F. Charles, (interested), 205 Insurance Exch. Bldg., Los Angeles, Calif., plans 500 room clubhouse, swimming pool, golf course, etc., here. To exceed $150,000.

B. C., Vancouver — Store — D. Spencer Ltd., Hastings St., having preliminary plans prepared by McCarter & Nairne, 509 Richards St., 10 story, rein.-con., Cordova and Richards Sts. $1,500,000.

BIDS DESIRED

Mass., Arlington (Boston P. O.)—High School—Dec. 10, by E. H. Barker, chn. Bd. Educ., 79 Milk St., Boston, Eastern Junior High School, Lake St., East Arlington. $200,000-$250,000. Engineer and architect not selected.

Mass., Boston—Bank and Office—Union Institute for Savings, E. Readon, pres., 216 Tremont St., taking bids 8 story and basement, 5,500 sq.ft. floor space, brick and steel, plain foundation, Tremont St. To exceed $150,000. T. M. James Co., 3 Park St., archts.

Mass., Cambridge (Boston, P. O.)—Storehouse and Office—Edgemont Realty Trust, Erie St., taking bids 2 story, 1,700 sq.ft. floor space, brick and timber, Erie and Albany Sts. $150,000. C. T. Main, 200 Devonshire St., Boston, archt.

Mass., Maynard—High School—Superintendent Schools, taking bids 2 story and basement, brick and stone high school. $160,000. J. N. McGirr, 6 Beacon St., Boston, archt. Noted Oct. 30.

Mass., New Bedford — High School — School Com. taking bids 3 story and basement, 150 x 225 ft., rein.-con., steel, brick and limestone, plain foundation, County and

Buildings—Commercial (Continued)

Morgan Sts. $200,000. Brown & Poole, 688 Pleasant St. Noted Nov. 13.

N. Y., Buffalo—School—Dec. 15, by Bd. Educ., 1400 Telephone Bldg., 3 story and basement, 200 x 200 ft., rein.-con., brick and steel East Delaware Ave. $600,000. F. A. Spangenberg, 250 Delaware Ave., archt.

N. J., Jersey City—Library—Dec. 5, by Jersey City Bd. of Trustees Free Pub. Library, Stevens Ave., for library. $200,000. A. S. Gottleib, 101 Park Ave., New York City, archt. Noted Nov. 20.

Pa., Butler—Garage and Warehouse—Gulf Refining Co., Frick Annex, Pittsburgh, will build 2 story, 60 x 80 ft., and 60 x 68 ft. garage and warehouse. Work will be done by separate contracts. $150,000. Private plans.

Pa., McKeesport—Warehouse and Garage—Gulf Refining Co., Frick Annex, Pittsburgh, will build 2 story and basement, 60 x 81 ft., and 46 x 79 ft. warehouse and garage here. Work will be done by separate contracts. $175,000. Private plans.

Pa., Phila. — Apartment — Watson Co., archts., 4614 Prospect Ave., Cleveland, O., taking sub bids 5 story and basement, 30 x 120 ft., brick and steel, plain foundation, Chestnut St., here. $150,000. Owner's name withheld.

Md., Baltimore—Church—Harlem Park Methodist Episcopal Church, E. P. Fellenbaum, pastor, 2426 West Lanvale St., will build 1 story, stone, Warwick Ave. and Lanvale St. $150,000. G. E. Savage, Witherspoon Bldg., Phila., Pa., archt. Work will be done by separate contracts.

S. C., Columbia—Office—Dec. 22, by M. J. Miller, secy. State Sinking Fund Comn., for office building. $500,000. H. Tatum, 61 Arcade Bldg., archt.

N. C., Raleigh—College—Dec. 8, by E. C. Brooks, pres. North Carolina State College, 3 story and basement, animal industry building. $200,000. H. Upjohn, Grand Central Terminal Bldg., New York City, archt.

Ia., Des Moines—School—Dec. 16 (extended date), by Bd. Educ., Warren G. Harding Junior High School, 3 story and basement, rein.-con., brick and stone, Euclid and Cornell Sts. Boyd & Moore, 810 Insurance Exch. Bldg., archts. Noted Sept. 11.

O., Cleveland — Commercial and Auditorium—Polish Alliance of America, c/o F. Rell, 3772 East 71st St., taking bids 3 story and basement, brick and steel, Bway. and Forman Ave. $150,000. A. Badowski, 7601 Osage Ave., archt. Noted July 10.

Mich., Detroit—Apartment—L. Kaplan, c/o J. I. Weinberg, archt., 402 Congress Bldg., taking bids and opens same about Dec. 15, 3 story and basement, 100 x 116 ft., brick and steel, plain foundation, Elmhurst Ave. $150,000.

Mich., Detroit—Temple—G. W. Graves, 233 John R. St., archt., taking bids and opens same about Dec. 10, 3 story and basement, 35 x 105 ft., rein.-con. and brick, plain foundation, Lafayette Blvd., for Findlater Lodge 475, 437 Artillery Ave. $200,000.

Mich., Wyandotte—Hospital—Stratton & Snyder, archts., 1103 Union Trust Bldg., Detroit, taking bids 5 story and basement, 45 x 200 ft., rein.-con. and brick, plain foundation, here, for Michigan Alkali Co. $200,000. Noted Nov. 27.

Wis., Kenosha — Church and Sunday School—Childs & Smith, archts., 720 North Michigan Ave., taking bids 3 story, 70 x 220 ft., stone and concrete, plain foundation, for First Methodist Episcopal Church, E. B. Martin, pastor, 454 West St. $400,000. Noted Aug. 28.

Mo., Columbia—Library—Dec. 19, by Curators University of Missouri, c/o E. E. Brown, mgr., 3 story and basement, rein.-con., brick and native stone, on campus. $150,000. Jamieson & Spearl, Arcade Bldg., St. Louis, archts.

Mo., Springfield—School—Dec. 20, by Bd. Educ., Pipkin School, 2 story and basement, brick, concrete and stone. E. Hawkins & Co., 400 McDaniel Bldg., archts. Noted Nov. 13.

Tex., Dallas — Auditorium — Dec. 8, by Lang & Witchell, archts., Amer. Exch. Natl. Bank Bldg., 1 story, basement and balcony, 230 x 240 ft., for J. C. Harris & H. O. Olmsted, 1408 Marilla St. $425,000.

Tex., Laredo—Hotel—M. Little plans 8 story and basement, brick, rein.-con. and stone, plain foundation. $400,000. Private plans.

Calif., Berkeley—Theatre and Store—J. T. Narbett, archt., 910 Narbett Ave., Richmond, taking bids rein.-con. and steel, Bancroft Way, for F. Atkins, c/o architect. $150,000. Noted Oct. 16.

Calif., Glendale—Church—Dec. 15, by C. Cressey, archt., 130 South Brand Blvd., general contract 1 story, 85 x 100 ft., rein.-con., brick, stucco and steel, Wilson Ave. and Louise St., for First Baptist Church. $175,000. Noted Apr. 3.

Calif., Los Angeles—Store and Loft—W. J. Saunders, archt., 227 Laughlin Bldg., archt., taking bids 7 story and basement, 85 x 130 ft., rein.-con., Los Angeles St. near 5th St., for Army & Navy Store, c/o architect. $200,000. Noted Nov. 27.

Calif., Los Angeles—Warehouse—Morgan, Walls & Clements, archts., Van Nuys Bldg., taking bids 4 story and basement, 200 x 200 ft., rein.-con., San Fernando Rd. for W. P. Fuller Co., 135 North Los Angeles St. $300,000.

Calif., San Francisco — Apartment — c/o H. C. Smith, archt., Humboldt Bank Bldg., taking bids for steel for 12 story and basement, rein.-con., Jackson St., for Twenty-Four Ninety Jackson St. Corp. $450,000. Noted Nov. 20.

BIDS RECEIVED

Mass., Marlboro — High School — School Bldg. Comn., C. F. Putman, clk., City Hall. 3 story and basement, brick and tile addition, from B. W. Neal, Inc., 293 Boylston St., Brookline, $149,398. Noted Nov. 13.

N. Y., New York—School—W. H. Gompert, supt. school buildings, Flutbush Ave. extension and Concord St., Brooklyn, Nov. 25, general contract P. S. 116, East 33rd St., here, from J. Fallon, 225 5th Ave., $291,000. Noted Nov. 6.

O., Lakewood (Cleveland P. O.)—School—Bd. Educ., G. W. Grill, clk., 1456 Warren Rd., 2 story and basement. 70 x 140 ft., brick, steel and concrete, Kyle Ave., from G. H. Moehlman, Norwalk, $142,635. Noted Oct. 30.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., general contract 2 story and part basement, 108 x 150 ft., rein.-con., brick and steel, plain foundation, 12th St., from A. W. Kutsche Co., 333 State St., $119,584; steam heating boiler, piping, etc. from J. W. Partlan, 1255 West Park Pl., $53,940. Noted Nov. 6.

Calif., Los Angeles—Bank and Office—Parkinson & Parkinson, archts., Title Insurance Bldg., rein.-con., class A annex, Spring and 6th Sts., from Clinton Constr. Co., Stock Exchange Bldg., for Pacific South West Trust & Savings Bank. $187,997. Noted Oct. 16.

Calif., Los Angeles—School—Bd. Educ., school, from Willard Brent Co., 254 East 27th St., $193,990.

Calif., San Francisco—Loft—Zellerbach Paper Co., 534 Battery Pl., 6 or 7 story, rein.-con., Clay and Sansome Sts., from J. Spargo, Russ Bldg., approximately $165,000.

CONTRACTS AWARDED

Mass., Boston—Mercantile—W. M. Evatt, (owner and contractor), 200 Devonshire St., will build 10 story and basement, 100 x 150 ft., rein.-con., Stuart St. near Berkley St., by day labor; foundation, to C. R. Gow Co., Park Sq. Bldg. Archts. est. $1,000,000. Pettingell-Andrews Co., lessee. Noted Sept. 4.

Mass., Chelsea—Apartment—Washington Realty Co., c/o S. S. Eisenberg, archt., 46 Cornhill St., Boston, will build 3 story and basement, 40 x 300 ft., brick, by day labor. $300,000. Noted Oct. 2.

Conn., Greenwich — High School — Bd. Educ., 3 story and basement, 104 x 296 ft., brick, plain foundation, Fieldpoint Rd., to Karno Smith, Broad Street Bank Bldg., Trenton, N. J. Noted Nov. 6.

Mass., Millbury—School—Church of Assumption, 2 story and basement, 70 x 110 ft., brick school, to J. J. Roberts, 4 Wall St., Worcester. Archts. est. $150,000.

Mass., Worcester—Office—B. L. Handleman, 16 Wetherell St., will build 4 story and basement, 150 x 150 ft., brick and steel, Franklin St., by day labor, under supervision of Frost & Chamberlain, archts., 390 Main St. $200,000.

Mass., Worcester — Warehouse — Brewer Tire Stores, Inc., 216 Commercial St., 3 story and basement, 90 x 166 ft., brick and steel, to J. J. Power, 15 Ashland St. Archts. est. $175,000.

Conn., Hartford — Garage and Service Station—Capitol Buick Co., 236 Pearl St., 2 story and basement, brick and steel, garage and service station, 80 Washington St., to M. Barry Constr. Co., Springfield. Archts. est. $150,000. Noted Aug. 28.

Conn., New Haven—Apartment—A. N. Sasso, 116 Ellsworth Ave., will build 5 story and basement, 68 x 186 ft., brick, Boulevard and Elm St. by day labor. $225,000. J. Della Valle, 341 State St., archt. Noted Nov. 20.

N. Y., Buffalo—School—Bd. Educ., Telephone Bldg., rein.-con. and brick, Lovejoy St., to J. O. Christina, 796 7th St., $332,316.

N. Y., New Brighton—School—Bd. Educ., 500 Park Ave., New York, P. S. 40, Henderson and Lafayette Aves., here, general contract to D. C. Serber, Inc., Grand Central Terminal, New York, $384,000; plumbing, to Nally Plumbing & Contg. Co., 172 West 98th St., New York, $30,937; heating, to Alvord & Swift, Inc., Grand Central Terminal, New York, $49,423. Noted Nov. 6.

N. Y., New Dorp (Sta. Staten Island)—Bd. Educ., 500 Park Ave., New York, general contract P. S. 41, Clawson Ave., here, to Clough Bourne Corp., 101 Park Ave., New York, $379,827; plumbing to Wells & Newton Co., Inc., Ave. B and 17th St., New York, $27,252; heating to Alvord & Swift, Inc., Grand Central Terminal, New York, $49,448. Noted Nov. 6.

N. Y., New York—Apartment and Store—A. Brisbane, 238 William St., brick, steel and stone, plain foundation, Park Ave. and 57th St., to Todd, Robertson & Todd Corp., 347 Madison Ave. Archts. est. $2,000,000.

N. Y., New York—School—Bd. Educ., 500 Park Ave., general contract P. S. 116, East 33rd St., to J. Fallon, 225 5th Ave., $291,000; heating to J. H. Goldblatt, 345 Madison Ave., $41,241. Noted Nov. 6.

N. Y., North Tonawanda—High School—Bd. Educ., high school, to Morris & Allen, Prudential Bldg., Buffalo. Archts. est. $200,000. Noted Sept. 18.

N. J., New Brunswick—Hospital—Middlesex General Hospital, general contract 2 story addition, to G. R. Rule, Inc., 71 John St., $114,000; heating and plumbing to Burns, Lane & Richardson, 16 Patterson St., $59,750.

Pa., Ardmore — Bank — Merion Title & Trust Co., 2 story and basement, 46 x 200 ft., limestone and steel addition, plain foundation, to F. H. Mahon, Ardmore. Archts. est. $175,000.

Pa., Aspinwall—Club House—Pittsburgh Field Club, O'Hara Twp., Pittsburgh, general contract 1, 2 and 3 story and basement clubhouse, Fox Chapel Rd., here, to D. T. Riffle, 1006 Forbes St., Pittsburgh. Archts. est. $200,000.

Pa., Bridgeville—Office—Universal Steel Co., general contract 3 story and basement office building, to E. H. Dobson, Birmingham Ave., Avalon. Engrs. est. $150,000.

Pa., Washington—Church—First Lutheran Church, general contract 2 story and basement, 112 x 125 ft., Walnut St., to Eckstein-Kulen Co., Riley Law Bldg., Wheeling, W. Va. Archts. est. $150,000. Noted Sept. 18.

La., Baton Rouge—Cafeteria—Building Com. of Greater Agricultural College, 1 story and basement, 115 x 247 ft., rein.-con., stucco and brick, to J. V. and R. T. Burkes, Carondelet Bldg., New Orleans, $194,000.

La., Monroe—Hotel—Frost—Whitted Co., 5 story, 150 x 150 ft., rein.-con. and brick, to Central Contg. Co., Shreveport. Archts. est. $600,000.

La. Shreveport—Church—First Presbyterian Congregation, J. S. Smith, pastor, rein.-con., brick, steel and stone, Jordan St., to Glassell-Willson Co., Shreveport, approximately $250,000. Noted Sept. 11.

O., Cleveland — Church and Office — Euclid Ave. Baptist Church, c/o W. W. Bustard, pastor, 13,679 Fairmount Blvd., 6 story and basement, 135 x 144 ft., brick, steel and concrete, East 18th St. and Euclid Ave., to De Vault & Deitrich, 1986 East 18th St. Archts. est. $1,000,000. Noted May 3, 1923.

O., Cleveland — Hotel — Hollenden Hotel Co., East 6th and Superior Ave., reconstructing brick, steel and terra cotta hotel, to Van Blarcom Co., Natl. City Bldg. Archts. est. $150,000. Noted May 1.

Ind., Evansville—Y. W. C. A., general contract 2 story and basement, 120 x 125 ft., brick, 2nd Ave. and Vine St., to M. J. Hoffman Constr. Co., Furniture Bldg. Archts. est. $200,000. Noted July 17.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., 2 story and basement, 167 x 250 ft., rein.-con., brick and steel, plain foundation, Bloom Ave., to R. Hill, 408 West Fort St., $201,333. Noted Nov. 27.

Ill., Paxton—School—Bd. Educ. general contract 3 story and basement, rein.-con., brick and stone, to Hagerman & Harshman, Sullivan. Archts. est. $150,000.

Ill., Urbana—Hall—University of Illinois, general contract West Residence Hall, concrete, brick and stone, on campus, to O. Randolph, 53 West Jackson Blvd., $190,627. Noted Nov. 27.

Buildings—Commercial (Continued)

Wis., Madison — Garage — E. Tough, archt., Washington Bldg., and Jacobson Auto Co., 207 East Washington Ave., 2 story, 60 x 180 ft., rein.-con. and steel, plain foundation, Gorham St., to C. B. Fritz Co., 138 North Francis St. Archts. est. $150,000. Noted Nov. 27.

Minn., Minneapolis — Apartments — Superior Holding Co., First Natl. Soo Line Bldg., general contract two 3 story and basement, 104 x 136 ft., 1st Ave. S. between 18th and 19th Sts., to Carlsted Bros., 709 Builders Exchange, about $200,000.

Neb., Grand Island—High School—Bd. Educ., c/o E. Sinke, Senior High School 2 story and basement, 240 x 260 ft., rein.-con., brick and stone, to E. Rokaho & Sons, 1743 South 24th St., Lincoln, $350,000. Noted May 22.

Mo., Columbia—Home Economics—Curators University of Missouri, general contract 2 story, basement and attic, 64 x 102 ft., rein.-con. and native stone, to Simons Constr. Co., Columbia. Noted Nov. 6.

Mo., Kansas City—Store—Levy Bros., Meat & Provision Co., 22 Market St., will build 2 story and basement, 62 x 130 ft., by day labor. $150,000. Private plans.

Mo., Springfield—Science Hall—Southwest Teachers College, 2 story and basement 58 x 217 ft., stone, to Stewart McGeehee Constr. Co., Kahn Bldg., Little Rock, Ark. Archts. est. $250,000.

Ark., Paragould—School—Bd. Educ., general contract 2 story and basement, rein.-con., brick and stone, to C. A. Ahlsteadt, Forrest City, Archts. est. $160,000. Noted Oct. 23.

Wash., Seattle—Hotel and Garage—A. McQuaker, archt., Melhorn Bldg., 6 story, 60 x 120 ft., mill, brick and terra cotta hotel, and 2 story and basement, rein.-con. garage, 8th and Union Sts., to Kilgren & Porter, L. C. Smith Bldg., for Seattle Leasehold Co., White Bldg. Archts. est. $175,000.

Wash., Seattle—Lodge, Store and Theatre—F. J. Peters, archt., Seaboard Bldg., 3 story, 100 x 200 ft., rein.-con., 22nd and Market Sts., N. W., to M. Hoard & Co, Pantages Bldg, for Ballard Aerie of Eagles 172. $400,000. Noted June 26.

Ore., Ashland — Hotel — Tourtellotte & Hummel, archts., Failing Bldg., Portland, general contract 4 story, 100 x 100 ft. hotel, here, to Hoover & McNeil, Albany, for Ashland Hotel Co., Inc. $129,900. Noted June 26.

Calif., Huntington Park—High School—Huntington Park Union School Dist., general contract Bell High School, brick and concrete, to Willard-Brent Co., 254 East 27th St., Los Angeles, $175,575. Noted Nov. 13.

Calif., La Verne — Home — Methodist Home Missionary, 1047 South Hill St., Los Angeles, 2 story and basement, 60 x 125 ft., rein.-con. home for orphans, to Metzger & Son, 1007 South Grand Ave., Los Angeles, $118,765. Noted Nov. 20.

Calif., Long Beach—Store and Office—Heartwell Building Co., 12 story and basement, Class "A," Ocean Ave. and Pine St., to Stradley & Newton, Insurance Exch. Bldg., Los Angeles, $600,000 fixed fee basis.

Calif., Los Angeles—Exchange—Southern California Telephone Co., 740 South Olive St., 3 story (ultimately 5 story) and basement, 75 x 80 ft., steel, brick and rein.-con., Vermont Ave., to MacDonald & Kahn, Spring Arcade Bldg., $155,700. Noted Aug. 28.

Calif., Los Angeles—Hospital—Osteopath Sanitarium Hospital, Inc., N. F. Sprague, secy., Black Bldg., 5 story and basement, rein.-con., Temple and Hoover Sts., to Stromwell and Halperin, 1007 South Grand Ave., $450,000 fixed fee basis. Noted Oct. 30.

Calif., Los Angeles—Hotel—S. Goldberg, 4 story and basement, brick and steel, 3rd St., to Morrow & Baer, 4675 Hollywood Blvd., $155,000.

Calif., Los Angeles—Hotel—G. Morton, 4 story and basement, brick, 5th St., to A. C. Miller, Detwiler Bldg., $150,000.

Calif., Los Angeles—Warehouse—Hollywood Fireproof Storage, 1666 Highland Ave., Hollywood, 12 story and basement, 50 x 220 ft., Highland Ave., to Simpson Constr. Co., Bank of Italy Bldg., approximately $300,000. Noted Nov. 27.

Calif., Pasadena — High School — Bd. Educ., general contract, John Marshall, Jr. High School, 2 story and basement science building and 1 story and basement industrial arts building, rein.-con., to H. W. Baum Co., Kerchkoff Bldg., Los Angeles, $195,923. Noted Oct. 30.

Calif., Pasadena — Theatre, Office and Store—L. Bard, 2 story and basement, 115 x 225 ft., rein.-con. and steel, East Colorado St., to A. Bard, Union Oil Bldg., Los Angeles, approximately $200,000. Noted Mar. 6.

Calif., Santa Monica — Club — Amer. Legion, Santa Monica Post 123, will build 4 story and basement, 50 x 100 ft., brick and concrete, by day labor, under supervision of A. H. Riness, 1338 3rd St. Archts. est. $150,000 or more. Noted Nov. 27.

Federal Government Work

PROPOSED WORK

Del., Wilmington—Bridges—U. S. Engineer Office, War Dept., Wash., D. C. plans 2 concrete and steel highway bridges, here.

Miss., Vicksburg—Derrick Boat—U. S. Engineer Office, War Dept., Wash., D. C., plans constructing derrick boat, here.

Miss., Vicksburg — Levee Work — U. S. Engineer Office, War Dept., Wash., D. C., plans levee drainage work, here.

H. T., Honolulu—Dredging—U. S. Engineer Office, War Dept., Wash., D. C., plans dredging in Nawiliwill Harbor, here.

BIDS DESIRED

N. H., Concord—Water Pipes, etc.—Dec. 23, by Treas. Dept. at office Supervising Archt., Wash., D. C., water piping, hot water tank, etc., in Post Office, here; adv. E. N.-R. Dec. 4.

D. C., Wash.—Cement, Steel, etc.—Dec. 17, at office A. L. Flint, purch. officer of Panama Canal, Wash., D. C., portland cement, steel rope, zinc oxide, etc.

Va., Norfolk—Dredge Repairs—Dec. 10, by U. S Engineer Office, repairing Hopper Dredge "Chinook"; adv. E. N.-R. Dec. 4.

N. C., Wilmington—Dredging—Dec. 1, by U. S. Engineer Office, War Dept., Wash., D. C., dredging 200,000 cu.yd. in Wilmington Harbor.

Ga., Douglas—Post Office—Dec. 8, by Treas. Dept. at office Supervising Archt., Wash., D. C., supplemental bids for constructing post office, here. Noted Nov. 6.

Fla., Miami—Post Office, Court House, etc.—Dec. 22, by Treas. Dept. at office Supervising Archt., Wash., D. C., extending and remodeling post office, court house, etc., here; adv. E. N.-R. Dec. 4.

Fla., Orlando—Post Office—Dec. 15, by Treas. Dept. at office Supervising Archt., Wash., D. C., constructing new balcony addition to post office, here.

Ala., Andalusia—Post Office—Dec. 30, by Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story, brick post office, here; adv. E. N.-R. Dec. 4.

Ill., Colconda—Lock—Jan. 12, by U. S. Engineer Office, P. O. Box 72, Louisville, Ky., constructing Lock 51, here; adv. E. N.-R. Dec. 4.

Wis., Madison—Roof, etc.—Dec. 23, by Treas. Dept. at office Supervising Archt., Wash., D. C., new roof and drainage system at U. S. Post Office, here; adv. E. N.-R. Dec. 4.

BIDS RECEIVED

Mass., South Boston (Sta. Boston)—Capstans—Spec. 5027—Bureau Yards & Docks, Navy Dept., Wash., D. C., motor driven capstans, here, from Maine Electric Co., 35 Connecticut St., Portland, Me., $23,500. Noted Nov. 13.

Mass., Worcester — Remodeling — Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling Post Office, here, from Cutler & Moss, Worcester, $11,258. Noted Nov. 6.

R. I., Brenton Point — Addition — Coast Guard, Wash., D. C., alterations and addition to coast guard station, here, from R. A. Smith, 28 Bellevue Ave., Newport, $15,405 (120 days).

Conn., New London—Repairs—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to piers, here, from Thames Towboat Co., 224 Bank St., New London, (1) $2,688 (2) $24 (3) $106 (4) $144 (5) $200. Noted Nov. 13.

Pa., Phila.—Coal Bunker—Spec. 5050—Bureau Yards & Docks, Navy Dept., Wash., D. C., alterations to coal bunker, here, from G. F. Dobbin, 1020 South 47th St., Phila., (1) $5,770 (2) $5 (3) $3,000 (4) $25. Noted Nov. 13.

Md., Annapolis—Well—Spec. 5049—Bureau Yards & Docks, Navy Dept., Wash., D. C., artesian wells, here, from Artesian Well Drilling Co., Aramingo and Girard Aves., Phila., Pa., $13,700. Noted Nov. 13.

D. C., Wash.—Armory, Gymnasium, etc.—Dept. Interior, Wash., D. C., consrtucting armory and gymnasium at Howard University, from W. L. Morrison Constr. Co., Wash., D. C., (1) $188,600 (1a) $2,800 (1b) no change (300 days); athletic field from Boyle Robertson Constr. Co., Wash., D. C., $127,458 (120 days); steel and iron work, from Belmot Iron Wks., 22nd and Washington Sts., Phila., Pa., (1) $13,390 (2) $5,500 (4) $610 (90 days); heating and plumbing from M. B. Casey Co., 3207 14th St. N. W., (1) $5,450 (2) $11,200 (3) $570 (4) $10,225, total $26,631 (30 days); electric work, from E. C. Grann, 1909 14th St., (1) $2,700 (2) $940 (3) $1,278. Noted Nov. 13.

Ind., Rochester—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., constructing post office here, from C. Clifton, Peru, Ind., $40,490. Noted Nov. 6.

Arkansas—Road—A. R. Losh, dist. engr. Bur. Pub. Rds., U. S. Dept. Agriculture, 322 Boyle Bldg., Little Rock, grading and gravel surfacing 2.269 mi. Crystal Spring Silver Natl. Forest Rd., Montgomery Co., from Western Constr. Co., Little Rock, $23,663.

CONTRACTS AWARDED

Mass., South Boston (Boston P. O.) — Dredging—Spec. 5042—Bureau Yards & Docks, Navy Dept., Wash., dredging 40,000 cu.yd. entrance to dry dock, to E. Breyman, 172 Condor St., $0.25 per cu.yd. scow measure (90 days). Noted Nov. 27.

N. Y., Buffalo—Steel Barges—U. S. Engineer Office, Buffalo, constructing 7 steel barges, to Marine Iron & Shipbuilding Co., foot 11th Ave. W., Duluth, Minn., $111,125. Noted Oct. 16.

Md., Baltimore—Water System—Treas. Dept. at office Supervising Archt., Wash., D. C., water distribution system in Hospital here, to H. E. Crook Co., 28 Light St., Baltimore, $8,376. Noted Oct. 30.

D. C., Wash.—Tunnel—U. S. Engineer Office, 250 Old Land Office Bldg., tunnel for second high service water supply, to Allen Pope, Wash., D. C., $230,270. Noted Nov. 20.

Va., Norfolk—Wharf—U. S. Engineer Office, War Dept., Wash., D. C., reconstructing wharf, here, to C. B. Cross & Co., Inc., Seaboard Bank Bldg., $3,931.

W. Va., Huntington—Steel Hull—Bureau Yards & Docks, Navy Dept., Wash., D. C., steel hull 5 x 21 x 70 ft. for derrick boat, here, to Marietta Mfg. Co., Point Pleasant, $8,330. Noted Oct. 16.

Fla., Jacksonville—Pontoon Catamarans—U. S. Engineer Office, constructing 13 pontoon catamarans for Dredge J. C. Mallery, to Charles Ward Eng. Wks., Charleston, W. Va., $12,497. Noted Nov. 6.

Ala., Florence—Steel—P. T. Samuels, ch. supply division, 120 tons mill steel, to Tennessee Coal, Iron & R.R. Co., Birmingham, $5,040.

Kan., Wichita — Remodeling — Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling post office and court house, here, to C. E. Tillman, Centralia, Ill. $12,200. Noted Nov. 6.

Tex., Abilene—Post Office, etc.—Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging post office, here, to W. D. Lovell, 1415 8th St., Minneapolis, Minn., $19,300 (4 months). Noted Oct. 9.

Utah, Vernal—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., constructing post office, here, to A. M. Lundberg, Federal Reserve Bank Bldg., St. Louis, Mo., $39,048 (12 months). Noted Nov. 13.

Washington—Road—C. H. Purcell, dist. engr. Bureau Pub. Rds., 316 New Post Office Bldg., Portland, Ore., crushed rock surfacing 8.71 mi. Mt. Baker Highway, Shuksan-Austin Pass Sect., Whatcom Co., to W. R. Gray, Plains, Mont. $38,772. Noted Nov. 20.

FEDERAL POWER COMMISSION

Applications for Licenses and Permits

Applications

544—Southern Sierras Power Co., Riverside, Calif.—Wants license for transmission and telephone lines about 100 and 111 mi. long respectively, in Imperial and San Diego Counties.

545—Offutt, Loughbridge, Gunn & Hifner, Jr., 205 First and City Natl. Bank Bldg., Lexington, Ky.—Wants preliminary permit for power project in north fork Kentucky River near Airdale, developing 47,000 hp.

546—Offutt, Loughbridge, Gunn & Hifner, Jr., 205 First and City Natl. Bank Bldg., Lexington, Ky.—Wants preliminary permit for power project at each government dam, on Kentucky River known as Locks 8-14 inclusive.

547—C. R. Berry, 605 Burke Bldg., Seattle, Wash.—Wants preliminary permit for power project in Fish Creek, near Ketchikan, Alaska.

548—San Diego Consolidated Gas & Electric Co., San Diego, Calif.—Wants license for transmission line in San Diego Co.

549—Washington Water Power Co., Spokane, Wash.—Wants license for 20 mi. transmission line in Grant Co.

550—Kern River Storage Dist., Bakersfield, Calif.—Wants preliminary permit for power project in Kern River, Kern Co.

Unclassified

PROPOSED WORK

Bulkhead, etc.—Dartmouth, Mass.—E. E. H. R. Green plans bulkhead, fill solid and dredge in Buzzards Bay. $25,000. W. F. Williams, Dept. Pub. Wks., Div. Waterways, Boston, comr.

Park—Lowell, Mass.—Park Comn. making plans improving Shedd Park. $100,000 donation. R. W. Beal, 62 Summer St., Boston, landscape archt.

Wall, Melrose, Mass. — Bd. Aldermen, plan new wall for support of Memorial Building. $25,000 bonds. Engineer not selected.

Summer Resort—Roaring Gap, N. C.—Roaring Gap Development Co., c/o L. Tufts, Pinehurst, pres., plans summer resort, incl. 500 room hotel, golf course, polo field, 35 acre lake, etc. $500,000.

Gas Works—Bradentown, Fla.—Election Dec. 19, $200,000 bonds constructing and maintaining gas works.

Lighting System—Jacksonville, Fla.—City and Duval Co., soon take bids lighting system for Atlantic Blvd. $25,000.

Spillway—Louisiana—New Orleans Levee Bd., New Court House Bldg., New Orleans, making plans spillway from Point a la Hatche to Ostrica, on Mississippi River. M. Garsaud, c/o owner, engr.

Standpipe—Jackson, Tenn.—City taking bids 85 ft. steel standpipe, 1 m.g. capacity, S. C. Lancaster, Jackson Water Works, consult. engr.; adv. E. N.-R. Dec. 4.

Green House — Hutchinson, Kan.—J. Stamm plans to concrete, stucco, tile and glass green house, near here. $25,000. Private plans.

Grain Elevator—Kansas City, Mo.—Eagle Elevator Co., Kansas City, making plans 125,000 bu. grain elevator, rein.-con. Engineer not selected.

Grain Elevators—Kansas City, Mo. — Kansas-Missouri Elevator Co., Kansas City, plans 500,000 bu. grain elevator addition, rein.-con. $500,000. Engineer not selected.

Grain Elevator—Ft. Worth, Tex.—Moore-Seaver Grain Co., E. Ferguson, mgr., N. P. Anderson Bldg., having plans prepared and soon takes bids grain elevator, rein.-con. $1,000,000. Engineer and architect not announced.

Transmission Line — Hollis, Okla. — See "Waterworks."

Stadium, etc.—Norman, Okla.—University of Oklahoma made preliminary plans athletic stadium and gymnasium. $1,000,000. J. H. Felger, Norman, engr. Noted Aug. 7.

Ornamental Street Lighting System—Los Angeles, Calif. — Plans 277 ornamental lights and system on 6th and Gardner Sts., Norton, New Hampshire and Highland Aves. $138,000. H. A. Van Norman, City Hall, engr.

Elimination of Grade Crossing—Los Angeles, Calif. — City and Pacific Electric R.R., Pacific Electric Bldg., plans elimination of grade crossing under Venice Short Line tracks in La Cienega Blvd. $180,000. City to pay 75% of cost.

Power Development—Los Angeles, Calif.—Southern California Edison Co., 306 West 3rd St., voted $25,000,000 bonds for power developments as follows: hydro-electric development on Big Creek San Joaquin River project approximately $7,535,000, steam plant (now under construction) $3,965,000, transmission line from Big Creek to Southern California $1,500,000, also extensions and improvements to distributing systems $12,000,000. Private plans.

Street Lighting System — Los Angeles, Calif.—Made plans 106 c.l. standards on portions of 6th St., 143 pressed steel standards on Highland Ave. between Cahuenga Ave. and Santa Monica Blvd., 10 pressed steel standards on Bronson Ave., and 261 concrete standards on Beachwood Dr., Norton, Bronson and Highland Aves., 16th and Gardner Sts., etc. To exceed $100,000. H. A. Van Norman, city engr.

Gas Mains—Salinas, Calif.—See "Waterworks."

Power Development—Coaticook, Que.—Soon takes bids developing 1,850 electric hp. under 145 ft. head, utilizing upper half of gorge on Coaticook River, constructing dam, tunneling through 1,500 ft. rock to North Coaticook where power house will be erected, etc. E. O. Baldwin, mayor.

Subway—Windsor, Ont.—Election Dec. 22, $400,000 bonds for 1 mi. subway under Canadian Pacific R.R. tracks. M. E. Brian, city engr.

Swimming Pool, Golf Course, etc.—Tia Juana, Mexico—See "Buildings—Commercial."

BIDS DESIRED

Refrigerating Units—Central Islip, N. Y.—Dec. 17, by State Hospital Comn., Albany, refrigerating units in Kitchens 2 and 4, in State Hospital, here; adv. E. N.-R. Dec. 4.

Column Foundations—Corona (Sta. Flushing), **N. Y.**—Dec. 11, by Bd. Transportation, 49 Lafayette St., New York City, column foundations, retaining walls and embankments, etc., Route 52, here.

Special Work—Flushing, N. Y.—Dec. 12, by Bd. Transportation, 49 Lafayette St., New York City, special work, rails, frogs and switches for extension here.

BIDS RECEIVED

Tunnel—Boston, Mass.—Transit Dept., 1 Beacon St., Sect. K, Dorchester Tunnel, 1,300 ft. rein.-con. and structural steel, near Dorchester Ave., Boston and Power Sts., from Coleman Bros. Inc., 245 State St., $969,530. Noted Oct. 23.

Heating — New York, N. Y. — W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, heating in P. S. 116, East 33rd St., here, from J. H. Goldblatt, 345 Madison Ave., $41,241.

Heating, etc. — Detroit, Mich. — See "Buildings—Commercial."

CONTRACTS AWARDED

Tower—Cambridge, Mass.—Lever Bros. Co., 143 Bway., 20 x 40 ft. tower, 100 ft. high, steel and corrugated iron addition to factory, to W. H. Whitcomb Constr. Co., 6 Beacon St., Boston. Archts. est. $25,000. Noted Nov. 27.

Retaining Wall—Gloucester, Mass.—Pub. Wks. Dept., City Hall, retaining wall at Rocky Neck Ave., to J. S. Pomeroy, Gloucester. Engrs. est. $25,000.

Heating and Plumbing — New Brighton, N. Y.—See "Buildings—Commercial."

Heating and Plumbing—New Dorp (Sta. Staten Island), **N. Y.**—See "Buildings—Commercial."

Heating—New York, N. Y.—See "Buildings—Commercial."

Heating and Plumbing—New Brighton, N. Y.—See "Buildings—Commercial."

Loading Plant—Braddock, Pa.—Amer. Steel & Wire Co., Frick Bldg., Pittsburgh, general contract loading plant with 50 ft. platform, on Monongahela River, to Enterprise Constr. Co., Jackson Bldg., Pittsburgh.

Wharf — New Orleans, La. — Bd. Port Comrs., Suite 200 New Court House Bldg., reconstructing wharf at Julia St. and concrete fire wall, etc., to J. Fromherz, Title Guarantee Bldg., $114,500.

Storage Silos—Port Huron, Mich.—New Egyptian Portland Cement Co., constructing rein.-con. storage silos, 4 bins 32 ft. diam. and 80 ft. high, Garfield St., to MacDonald Eng. Co., 53 West Jackson Blvd., Chicago, Ill.

Foundation—Waupun, Wis.—See "Buildings—Industrial under Proposed Work."

Elevator Addition, etc.—Argentine, Kan.—Atchison, Topeka & Santa Fe R.R. Co., 406 Delaware St., Topeka, general contract 500,000 capacity elevator addition, miscellaneous equipment, etc., to J. S. Metcalf Co., 108 South La Salle St., Chicago. Engrs. est. $1,000,000.

Culverts—Concordia, Kan.—See "Streets and Roads."

Grain Elevator—North Kansas City, Mo.—Chicago, Burlington & Quincy R.R., 14 West 6th St., Kansas City, general contract 1,000,000 bu. grain elevator, rein.-con., to Burrell Eng. & Constr. Co., 513 West Jackson Blvd., Chicago, $400,000.

Power Line—Texas—Texas Power & Light Co., Interurban Bldg., will build high power line from Crockett to Grapeland, by day labor. $50,000. Private plans. Noted Sept. 11.

Telephone Lines—Amarillo, Tex.—Southwestern Bell Telephone Co., 211 West 10th St. Ft. Worth will extend lines to take in San Jacinto Country Club Dist., here, by day labor. $67,000. Western Electric Co., 1709 Pacific St., Dallas, engrs.

Towers—Seattle, Wash.—Superior Portland Cement Co., Seaboard Bldg., 14 concrete towers for aerial tramline between quarry and factory, to H. E. Wilder, Sedro Woolley, $42,200.

Pier—San Diego, Calif.—W. H. Cameron, city purch. agt., 930 ft. steel and galvanized iron shed, and 30 ft. concrete bulkhead building, on Municipal Pier 2, to Lange & Bergstrom, Commonwealth Bldg., $103,000 and $10,300 respectively; steel rolling doors for entire shed and bulkhead building, to T. F. Snyder, Spreckles Bldg., $14,375. Noted Nov. 27.

Arena — San Francisco, Calif. — L. R. Lurie, 315 Montgomery St., 1 story, rein.-con. arena, Guerrero St. near 15th St., to R. McLeran Co., Hearst Bldg., $225,000. Noted Nov. 27.

Material and Equipment

PROPOSED WORK

Road Machinery—Wisconsin—Walworth Co. appropriated $5,000 for purchase, rental and repair road machinery, H. J. Peters, Elkhorn, Comr.; Grant Co. $10,000 for grader, scraper and plow, H. Mink, Lancaster, comr.; Waushara Co. $10,000 for grader, F. Grimm, Wautoma, comr.; Marquette Co. $2,000 rental and repair road machinery, H. Schmitz, Montello, comr.; Iowa Co. $4,000 road machinery, C. Wonn, Dodgeville, comr.; Portage Co. $55,000, truck, etc., J. T. Henton, Portage, comr.; Marathon Co. $18,000 rental and repair road machinery, J. H. Vogt, Wausau, comr.; Calumet Co. $25,000 for graders, etc., J. A. Gillis, Chilton, comr.; Taylor Co. $5,000 for touring car, graders, etc., C. Kelnhofer, Medford comr.; Price Co. $5,000, graders, etc., B. M. Griffin, Phillips, comr.; Oconto Co. $23,000 for tractor, etc. E. W. MacAllister, Oconto, comr.

Tractor and Snow Plow—Virginia, Minn.—Plans to purchase one 5 ton tractor and snow plow. A. E. Bickford, city clk.

Paving Materials—Beverly Hills, Calif.—City plans to purchase in open market 300-400 tons paving materials.

Cement, Asphalt, etc.—London, Ont.—Plans to purchase cement, asphalt, iron castings, crushed stone, sewer pipe, etc. $200,000. W. P. Near, city engr.

Pipe—Long Beach, Calif.—Plans to purchase 32,000 ft. lap welded, beveled and wrought pipe, 34.24 lb. per lin.ft. C. H. Windham, city mgr.

BIDS DESIRED

Steam Shovel — Lynn, Mass. — A. J. O'Leary, 424 Bway., in market for ½, ¾ or 1 yd. steam shovel, Erie preferred.

Steam Shovels—New York, N. Y.—A. H. Cchoonmaker & Sons, Inc., 30 Church St., in market for two ¾-yd. Marion steam shovels.

Laundry Equipment—Wingdale, N. Y.—Dec. 17, by State Hospital Comn., Albany, laundry equipment for Harlem Valley State Hospital, here; adv. E. N.-R. Dec. 4.

Machinery — Clearfield, Pa. — Gearhart Knitting Machine Co., taking bids machinery for new plant. W. E. Dame, supt.

Tractors, etc.—East Point, Ga.—Dec. 16, by State Hy. Dept., 5 to 9 ten ton, 10 to 25 five ton, and 20 to 50 two ton tractors, crawler type, 40 to 80 one ton low speed trucks with pneumatic tires and without cabs and bodies, 20 to 50 seven ft. 3 in. road graders, tractor drawn, 20 to 50 eight ft. road graders, tractor drawn, and 150 eight ft. fast 3 blade road drags, f.o.b. East Point. W. R. Neil, ch. engr.

Street Sprinkler and Sweeper—New Orleans, La.—Dec. 16, by A. Murphy, comr. Dept. Finance, City Hall, street sprinkler and sweeper. $6,800.

Stone Crusher—St. Paul, Minn.—Dec. 15, by G. J. Ries, aud. Ramsey Co., stone crusher, capacity 8 to 16 tons per hour, 6- to 8-in. opening, 1 in. screen. P. N. Coates, 900 Guardian Life Bldg., engr.

Cranes, etc.—St. Louis, Mo.—Carey & Esselstyn, engrs., 602 Hoffman Bldg., Detroit, Mich., taking bids gasoline locomotive cranes on caterpillar treads for glass plant, for Mississippi Glass Works, 4070 North Main St., here.

Engines, etc.—Molalla, Ore.—Eastern & Western Lumber Co., F. H. Ransom, genl. mgr., foot of North 21st St., Portland, in market for 20 mi. rails, 4 new engines, cars and equipment.

Structural Steel—Sacramento, Calif.—L. H. Starks & Co., archts., 1010½ 8th St., taking bids approximately 1,000 tons steel for 14 story and basement, class A, lodge, 11th and J Sts., for B. P. O. E., c/o architects.

Voltage Regulating Apparatus — Melbourne, Victoria, Australia—Jan. 19, by R. Liddelow, secy. State Electricity Comn., voltage regulating apparatus, Spec. 25/2, for Yallourn Power Scheme; adv. E. N.-R. Dec. 4. This corrects report in Nov. 20 issue.

BIDS RECEIVED

Asphaltic Cement — Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., 300 tons asphaltic cement, from Warner-Quinlan Co., 79 Wall St., New York, $23.96. Noted Nov. 20.

CONTRACTS AWARDED

Lumber, etc.—New Orleans, La.—Comn. Council, City Hall, 250,000 ft. southern pine lumber, ot Frerichs Lumber Co. Ltd., 625 South Galvez St.; quantity of Uvalde rock asphalt to Southern Uvalde Rock Asphalt Contg. Co., New Orleans, $13.50 per ton; blast furnace slag, to H. B. Emmett, Carondelet Bldg., $2.34 to $2.79 per ton.

Power Equipment—Greenville, Tex.—J. O. Willman, city clk., equipment to increase power generated at municipal water and light plant, to J. U. Jones, 908 Western Ind. Bldg., Dallas, $52,000.